



TÜRKİYE CÜMHURİYETİ

MAARİF VEKİLLİĞİ

# İSTANBUL KANDİLLİ RASATHANESİ

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İSTANBUL

MAARİF MATBAASI



# I — Meteoroloji (Météorologie)

*Yakup Elbek*

Cetvel, grafik ve işaretlerin izahları 5 numaralı mecmuada bulunduğundan tekrar verilmesine lüzum görülmemiştir.

## Hâdiselerin aylık seyirleri

### NİSAN

**Tazyik —** 760 ile 762.5 mm. arasında seyir eden barometre ikinci gün sabahından itibaren yükselerek 3 üncü gün sabahı 764 mm. ye çıkmışsa da tekrar düşmeğe başlamış, 4 üncü gün akşamı 759.1 mm. olmuştur. Bundan sonra yükselerek 5 inci gün saat 12/30 da 761.1 mm. azamî kıymeti almış, 6 ncı gün saat 15/40 ta 758.5 mm. asgariden geçmiş, 7 ncı gün saat 15/50 de 763.2 mm. ye çıkmış ve yavaş yavaş düşerek 9 uncu gün saat 15/50 de 754 mm. asgarî kıymetten geçmiş ve 10 uncu gün saat 22/10 da ayın mutlak azamisi olmak üzere 765.8 mm. yi bulmuştur. 11 inci gün 763.5 ile 765 mm. arasında devam ettikten sonra düşmeğe başlamış, 13 üncü gün saat 18/15 te (753.4) mm. olmak üzere ayın mutlak asgariden geçmiş, 15-16 gecesi 759.4 mm. olmuştur. 16 ncı gün saat 10/30 dan itibaren düşmeğe başlamış, 17 ncı gün saat 7/20 de 754.1 mm. asgariden geçmiş, 18 inci gün saat 11 de 757 mm. ye çıkmış ve 19-20 gecesine kadar bu civarda seyir etmiştir. 20 inci gün düşmeğe başlamış, saat 15/45 te 757.2 mm. asgariden geçmiş ve arasına grenler yapmak üzere yükselmiş, 22 ncı gün saat 7/20 de 762.9 mm. olmuş ve 25 inci güne kadar 760.5 ile 763.1 mm. arasında devam etmiştir. Sonra düşerek ve arasına ufaktefek grenler yaparak 27 ncı gün sabahı 756.6 mm. olmak üzere bir asgariden geçmiş ve 29 uncu gün 764 mm. ye çıkmışsa da tekrar düşmeğe başlamış, 30 uncu gün akşamı 756.5 mm. olmuştur. Nihai udul (écarte extrême) 13.4 mm. dir.

Bu ayın vasatısı 760.3 mm. olup nâzımı (normal) [760.1 mm.] den yalnız 0.2 mm. fazladır. 27 yıllık rasatlarda bu aydaki vasatilerin azamisi 1914 te 763.2, asgarisi de 1930 da 753 mm. dir.

**Hararet derecesi —** Bu ayın mutlak azamisi 20 ncı gün saat 15/10 da 24°.2, mutlak asgarisi de 7 ncı gün saat 3/15 te 2°.1 olup nihai udul (écarte extrême) 22°.1 dir. Bu ayın vasatısı 10°.2 olup nâzımı (normal) [11°.4] den 1°.2 eksiktir. Bu ayın azamiler vasatısı 13°.8, asgarileri nâzımı (16°.0) dan 2°.2 eksik, asgariler vasatısı de 6°.5 dir ki nâzımı (7°.6) dan 1°.1 eksiktir. 27 yıllık rasatlarda bu ay için mutlak azamî olarak 1926 ncı yıl 26 ncı gün 30°.0, mutlak asgarî olarak ta 1923 üncü yıl 4 üncü gün — 1°.6 görülmüştür,

**Nisbî rutubet —** Bu ayın asgarî rutubeti 29 uncu gün saat 17/45 te % 31 dir. Bu ayın vasatısı % 78 olup nâzımı (normal) [% 72] den % 6 fazladır. 27 yıllık rasatlarda bu aydaki vasatilerin azamisi 1918 yılı % 82, asgarisi de 1933 yılı % 59 dur.

**Teressübat —** Cetvelinde 15 gün yağmurlu görünüyorsa da biri 0.1 ve biri 0.2 mm. olmak üzere çok ehemmiyetsizdir. Bu ay toplanan yağmur miktarı 75.5 mm. olup nâzımı (normal) [41.7 mm.] den 33.8 mm. fazladır. Bu seneki yağmur miktarı 27 yıllık rasatlar ortalaması ile ikinciliği teşkil ediyor. En çok yağışlı nisan ayı 104.3 mm. olmak üzere 1912 ncı yıldır görülmüştür.

## Şiddetli ve sürekli yağışlar

| Gün | Miktarı<br>mm. | Zaman ve müddeti<br>h/m ilâ h/m | Vasatı şiddeti<br>mm/min. | azamî şiddeti<br>mm/min. | Azamî şiddetin<br>zaman ve müdde |
|-----|----------------|---------------------------------|---------------------------|--------------------------|----------------------------------|
|     |                |                                 |                           |                          | h/m ilâ h/m                      |
| 5   | 5.7            | 1/00 — 9/20                     | 0.01                      | 0.07                     | 1/00 — 1/10                      |
| 6   | 13.7           | 3/50 — 24/00                    | 0.01                      | 0.06                     | 19/40 — 20/10                    |
| 9   | 4.0            | 17/10 — 22/00                   | 0.01                      | 0.07                     | 20/50 — 21/20                    |
| 13  | 17.6           | 4/00 — 21/00                    | 0.02                      | 0.07                     | 7/00 — 7/30                      |
| 17  | 12.6           | 0/30 — 17/00                    | 0.01                      | 0.03                     | 5/40 — 6/00                      |

### Fırtınalı günler: (\*)

| Gün   | Devam faslası<br>h/m ilâ h/m | Azamî sürat<br>m/s | Ciheti  |
|-------|------------------------------|--------------------|---------|
|       |                              |                    |         |
| 1     | 16/30 — 18/45                | 13                 | SSW     |
| 4     | 00 — 13/45                   | 19                 | SSW, S  |
| 6     | 13/15 — 17/00                | 14                 | NNE     |
| 12    | 13/45 — 19/15                | 15                 | NNE     |
| 12-13 | 21/45 — 6/45                 | 16                 | NNE, NE |

**Toprağın hararet derecesi** — Tahavvüller her aydakinin aynidir. Bir metredeki 16 ncı güne kadar biraz intizamsızlık göstermişse de 17 ncı günden itibaren muntazama yükselmeğe başlamıştır. 2 metredeki tamamen mevsim seyrine uyarak muntazaman yükselmiştir. Ay başında  $10^{\circ}4$  iken ay sonunda  $11^{\circ}3$  şlmıştır.

## MAYIS

**Tazyik** — Yavaş yavaş düşerek ikinci gün saat 16/15 te (750.0) mm. olmak üzere ayın mutlak asgarisinden geçmiş, 6 ncı gün 766.2 mm. ye çıkmış, 7 ncı güne kadar 765 ile 765 mm. arasında oldukça muntazam devam ettikten sonra düşmeğe başlamış, 8 inci gün akşamı 759 mm. olmuştur. Bundan sonra yükselerek 9 uncu gün saat 21 de (767.2) mm. olmak üzere ayın mutlak azamisine çıkmış ve 10 uncu gün saat 8 e kadar bu civarda seyir ettikten sonra yevmi tahavvüllerini yaparak düşmeğe başlamıştır. 10 11 gecesi saat 20 ile 3 arasında küçük küçük grenler de kaydedilmiştir. 11 inci gün akşamı 757.5 mm. ye kadar düşükten sonra tedricen yükselerek 13 üncü gün 765.6 mm. ye kadar çıkmış ve 17 ncı güne kadar 763.5 ile 766 mm. arasında yevmi tahavvüllerini yapmak üzere muntazam seyir etmiştir. 17 ncı gün düşmeğe başlamış, 18 inci gün 761.2 mm. olmuş ve 23 üncü gün kadar 759 ile 762.3 mm. arasında devam etmiştir. 23 üncü gün öğleden sonra düşmeğe başlamış, 24 üncü gün saat 18/30 da 751.7 mm. asgari kıymetten geçerek 28 inci gün 762.3 mm. ye çıkmış ve ay sonuna kadar 759.5 ile 762.5 mm. arasında seyir etmiştir. Nihai udul 17.2 mm. dir.

Bu ayın vasatısı 760.6 mm. olup nâzımı (760.3 mm.) den 0.3 mm. fazladır. 27 yıllık rasatlarda bu aydaki vasatilerin azamisi 1917 yılı 762.9 mm., asgarisi de 1936 yılı 758.0 mm. dir.

**Hararet derecesi** — Bu ayın mutlak azamisi 24 üncü gün saat 13/10 da  $29^{\circ}4$ , mutlak asgarisi de 6 ncı gün saat 8/10 da  $7^{\circ}1$  olup nihai udul  $22^{\circ}3$  tuür. Bu ayın vasatısı  $16^{\circ}3$  olup nâzımı ( $15^{\circ}5$ ) den  $1^{\circ}0$  fazladır. Bu ayın azamiler vasatısı  $21^{\circ}3$  tür ki nâzımı ( $20^{\circ}2$ ) den  $1^{\circ}1$  fazla; asgariler vasatısı de  $11^{\circ}7$  dir ki nâzımı ( $11^{\circ}6$ ) dan  $0^{\circ}1$  fazladır. 27 yıllık rasatlarda bu ay için mutlak azamî olarak 1928 yılı 19 uncu gün  $33^{\circ}8$  ve mutlak asgari olarak ta 1915 yılı 8 inci gün  $3^{\circ}0$  görülmüştür.

(\*) Rüzgârın sür'ati saniyede 13 metreyi tecavüz ederse o gün fırtınalı gün itibar olunur.

**Nisbî rutubet** — Bu ayın asgarî rutubeti 20 nci gün saat 16/45 te % 25 tir. Bu ayın vasatî %70 olup nâzîmî (% 74) ten %4 eksiktir. 27 yıllık rasatlarda bu aydaki vasatilerin azamî 1920 yılı % 83, asgarî de 1932 yılı % 62 dir.

**Teressübat** — Cetvelinde görüldüğü üzere yağmurlu geçen 8 gün zarfında 51.7 mm. yağmur yağmıştır ki nâzîmî (42.0 mm.) den 9.7 mm. fazladır. 1919, 1933 ve 1925 yıllarında sırasıyla 166.7, 115.9 ve 110.8 mm. olmak üzere çok yağmurlu mayıs ayları kaydedilmiştir.

### Şiddetli ve sürekli yağışlar

| Gün | Miktarı | Zaman ve müddeti | Vasatî şiddeti | Azamî şiddeti | Azamî şiddetin müddet ve zamanı |
|-----|---------|------------------|----------------|---------------|---------------------------------|
|     | mm.     | h/m ilâ h/m      | mm/min.        | mm/min.       | h/m ilâ h/m                     |
| 3   | 25.6    | 2/18 — 15/30     | 0.03           | 0.13          | 11/45 — 12/00                   |
| 3-4 | 15.8    | 20/00 — 12/45    | 0.02           | 0.17          | 1/38 — 1/45                     |

**Fırtınalı günler** — Bu ay içinde süratî azamî olarak saniyede 13 metreyi tecavüz eden fırtınalı gün kaydedilmemiştir.

**Toprağın hararet derecesi** — 5, 10, 20 ve 50 cm. derinliktekilerin tahavvülü her dakikin aynidir. Bir ve iki metre derinliktekiler mevsim seyrine uyarak muntazaman yükselmişlerdir. Bir metredeki ay başında 11°8 iken ay sonunda 16.8, iki metredeki de ay başında 11°3 iken ay sonunda 13°8 olmuştur.

## HAZİRAN

**Tazyik** — İlk saatten yükselmeğe başlayan barometre birinci gün saat 12/20 de ayın mutlak azamî olmak üzere (767.9) mm. ye çıktıktan sonra yavaş yavaş düşerek 4-5 gecenin 760.4 mm. ye inmişse de tekrar yevmi tahavvüllerini yapmak suretiyle yükselmeğe başlamış, 10 uncu gün 764.3 mm. ye çıkmıştır. Bundan sonra terici surette düşerek 16 ncı gün saat 4/10 da (753.0) mm. olmak üzere ayın mutlak asgarîsinden geçmiş ve aynı gün saat 16/30 ile 18 arasında 1.5 mm. lik bir çanak yaparak yükselmesine devam etmiş, 22 ncı gün 767.3 mm. azamî kıymeti almış, 24 üncü gün 759.5 mm. olmuştur. 26 ncı gün 762 mm. ye düşmüşse de çok batî surette düşmeğe başlamış 30 uncu gün 756.5 mm. olmuştur. Nihai 14.9 mm. dir.

Bu ayın vasatî 761.9 mm. olup nâzîmî (760.0 mm.) den 1.9 mm. fazladır. 27 yıllık rasatlarda bu aydaki vasatilerin azamî 1923 yılı 766.3, asgarî de 1933 yılı 757.2 mm. dir.

**Hararet derecesi** — Bu ayın mutlak azamî 15 inci gün saat 15/15 te 31°8, mutlak asgarî de 2 ncı gün saat 1/50 de 11°7 olup nihai udul 20°1 dir. bu ayın vasatî 20°2 olup nâzîmî (20°1) den 0°1 fazladır. Bu ayın azamîler vasatî 24°6 dır ki nâzîmî (24°8) den 2 eksik, asgarîler vasatî de 15°3 tür ki nâzîmî (15°5) ten 0°2 eksiktir. 27 yıllık rasatlarda bu ay için mutlak azamî olarak 1912 yılı 14 üncü gün 38°9 ve mutlak asgarî olarak ta 1933 yılı 6 ncı gün 8°3 görülmüştür.

**Nisbî rutubet** — Bu ayın asgarî rutubeti 15 inci gün saat 15/30 da % 15 dir. Bu ayın vasatî % 70 olup nâzîmî (% 71) den % 1 eksiktir. 27 yıllık rasatlarda bu aydaki vasatilerin azamî 1914 yılı % 81, asgarî de 1926 yılı % 63 tür.

**Teressübat** — Bu ay yalnız bir gün yağmur yağmıştır. Miktarı 28.0 mm. dir ki nâzîmî (5.5 mm.) den 7.5 mm. eksiktir. 16 ncı günü yağan bu yağmurun en şiddetli zamanı saat

15/37 ile 15/50 arasındır ki şiddeti dakikada 1.2 mm. yi bulmuştur. 1927, 1916 ve 1912 senlerinde sırasıyle 0.0, 3.1 ve 3.2 mm. olmak üzere az yağmurlu haziran aylarına tesadüf edilmiştir.

**Fırtınalı günler: (\*)**

| Gün | Devam fasılası<br>h/m ilâ h/m | Azamî süratı<br>m/s | Ciheti |
|-----|-------------------------------|---------------------|--------|
| 16  | 15/00 — 16/15                 | 15                  | NNW    |
| 19  | 8/00 — 18/00                  | 14                  | N, NNE |

**Toprağın hararet derecesi** — 5, 10, 20 ve 50 cm. derinliktekilerin tahavvülü her aydakinin aynıdır. Bir ve iki metre derinliktekiler mevsim seyrine uyarak muntazama yükselmişlerdir. Bir metredeki ay başında  $16^{\circ}.8$  iken ay sonunda  $19^{\circ}.4$ , iki metredeki ay başında  $13^{\circ}.9$  iken ay sonunda  $16^{\circ}.9$  olmuştur.

(\*) Rüzgârın sür'atı saniyede 13 metreyi tecavüz ederse o gün fırtınalı gün itibar olunur.



| Tarih — Date             | Barometre<br>(0° ye ve S. V. B.)<br>700 mm + .... |      |      |              | Hararet derecesi C°<br>Température |      |      |              |            |            | Buhar tevettürü<br>Tension de la vap.<br>mm. |       |       |              | Nisbi<br>rutubet %<br>Humidité relat |     |     |              | Aktinom.<br>C° |               | Güneşte azami<br>Max. nair | Teşemmüs<br>Evaporation |
|--------------------------|---------------------------------------------------|------|------|--------------|------------------------------------|------|------|--------------|------------|------------|----------------------------------------------|-------|-------|--------------|--------------------------------------|-----|-----|--------------|----------------|---------------|----------------------------|-------------------------|
|                          | 7                                                 | 14   | 21   | Vas.<br>Moy. | 7                                  | 14   | 21   | Vas.<br>Moy. | Az.<br>Max | As.<br>Min | 7                                            | 14    | 21    | Vas.<br>Moy. | 7                                    | 14  | 21  | Vas.<br>Moy. | Beyaz<br>Blanc | Siyah<br>Noir |                            |                         |
| 1                        | 61.1                                              | 61.9 | 60.3 | 61.1         | 8.5                                | 12.2 | 11.4 | 10.7         | 13.7       | 8.0        | 7.28                                         | 7.64  | 7.40  | 7.44         | 88                                   | 72  | 73  | 78           | 26.4           | 34.6          | 37.7                       | 2.2                     |
| 2                        | 61.0                                              | 62.6 | 63.9 | 62.5         | 10.4                               | 16.3 | 12.1 | 12.9         | 17.0       | 9.0        | 7.87                                         | 9.10  | 6.86  | 7.94         | 83                                   | 66  | 65  | 71           | 30.6           | 39.0          | 41.0                       | 3.2                     |
| 3                        | 63.8                                              | 62.3 | 60.8 | 62.3         | 10.4                               | 18.6 | 13.1 | 14.0         | 19.3       | 8.6        | 8.05                                         | 7.83  | 9.69  | 8.52         | 74                                   | 49  | 77  | 67           | 33.4           | 42.2          | 45.1                       | 11.0                    |
| 4                        | 59.7                                              | 59.6 | 61.2 | 60.2         | 15.8                               | 20.0 | 15.1 | 17.0         | 20.8       | 12.0       | 5.50                                         | 7.30  | 7.01  | 6.60         | 41                                   | 41  | 55  | 46           | 35.1           | 44.3          | 46.0                       | 10.0                    |
| 5                        | 64.9                                              | 65.6 | 64.3 | 64.9         | 6.5                                | 7.3  | 6.6  | 6.8          | 7.4        | 5.9        | 7.02                                         | 6.77  | 6.85  | 6.88         | 97                                   | 88  | 94  | 93           | 9.8            | 11.2          | 15.6                       | 0.0                     |
| 6                        | 60.9                                              | 59.0 | 60.8 | 60.2         | 5.9                                | 6.5  | 5.2  | 5.9          | 6.7        | 3.5        | 6.73                                         | 6.49  | 6.62  | 6.61         | 97                                   | 90  | 100 | 96           | 9.0            | 10.3          | 14.5                       | 0.0                     |
| 7                        | 62.9                                              | 61.6 | 61.2 | 61.9         | 3.7                                | 8.8  | 4.7  | 5.7          | 9.9        | 2.1        | 5.56                                         | 4.70  | 5.09  | 5.12         | 93                                   | 55  | 81  | 76           | 21.2           | 28.0          | 40.5                       | 4.7                     |
| 8                        | 59.6                                              | 57.6 | 56.4 | 57.9         | 5.6                                | 11.3 | 8.6  | 8.5          | 12.4       | 2.8        | 6.17                                         | 5.28  | 4.61  | 5.35         | 91                                   | 52  | 55  | 66           | 27.4           | 36.6          | 38.6                       | 11.7                    |
| 9                        | 55.2                                              | 54.9 | 56.6 | 55.6         | 8.9                                | 10.3 | 4.7  | 8.0          | 14.0       | 4.5        | 6.04                                         | 7.23  | 6.29  | 6.52         | 71                                   | 78  | 99  | 83           | 26.2           | 35.2          | 45.0                       | 6.1                     |
| 10                       | 62.5                                              | 65.2 | 66.6 | 64.8         | 4.3                                | 10.0 | 4.9  | 6.4          | 10.6       | 3.2        | 5.70                                         | 5.71  | 5.66  | 5.69         | 91                                   | 62  | 87  | 80           | 20.8           | 27.4          | 43.6                       | 5.3                     |
| 1 inci<br>onluk          | 61.2                                              | 61.0 | 61.2 | 61.1         | 8.0                                | 12.1 | 8.6  | 9.6          | 13.2       | 6.0        | 6.59                                         | 6.81  | 6.61  | 6.67         | 83                                   | 65  | 79  | 76           | 24.0           | 30.9          | 36.8                       | 54.5                    |
| 11                       | 64.6                                              | 64.0 | 65.1 | 64.6         | 6.2                                | 10.5 | 7.2  | 8.0          | 12.4       | 3.5        | 5.92                                         | 4.98  | 6.83  | 5.91         | 84                                   | 51  | 90  | 75           | 20.4           | 25.8          | 39.6                       | 4.9                     |
| 12                       | 64.3                                              | 62.6 | 60.1 | 62.3         | 6.5                                | 8.0  | 6.3  | 6.9          | 9.4        | 6.0        | 6.38                                         | 5.92  | 5.24  | 5.85         | 88                                   | 74  | 73  | 78           | 12.6           | 15.0          | 21.0                       | 0.0                     |
| 13                       | 54.3                                              | 53.9 | 54.2 | 54.1         | 3.0                                | 3.5  | 4.3  | 3.6          | 6.3        | 2.2        | 5.38                                         | 5.88  | 5.81  | 5.69         | 95                                   | 100 | 93  | 96           | 8.2            | 10.6          | 13.5                       | 0.0                     |
| 14                       | 54.8                                              | 55.7 | 56.6 | 55.7         | 4.3                                | 10.1 | 7.0  | 7.1          | 10.8       | 2.7        | 5.41                                         | 5.77  | 4.51  | 5.23         | 87                                   | 62  | 60  | 70           | 26.4           | 36.4          | 39.6                       | 11.0                    |
| 15                       | 58.2                                              | 57.7 | 59.3 | 58.4         | 9.2                                | 14.4 | 9.2  | 10.9         | 16.0       | 5.1        | 5.21                                         | 5.86  | 6.08  | 5.72         | 60                                   | 48  | 70  | 59           | 32.0           | 41.0          | 45.5                       | 7.6                     |
| 16                       | 59.0                                              | 58.5 | 57.2 | 58.2         | 7.7                                | 8.1  | 6.8  | 7.5          | 8.5        | 6.6        | 7.41                                         | 7.62  | 7.17  | 7.40         | 94                                   | 95  | 97  | 95           | 12.0           | 15.0          | 40.5                       | 0.6                     |
| 17                       | 54.3                                              | 55.3 | 57.7 | 55.8         | 6.2                                | 7.7  | 7.6  | 7.2          | 8.5        | 5.2        | 6.99                                         | 7.75  | 7.13  | 7.29         | 99                                   | 99  | 91  | 96           | 21.4           | 23.5          | 23.6                       | 0.0                     |
| 18                       | 60.1                                              | 61.6 | 61.8 | 61.2         | 8.1                                | 13.5 | 12.1 | 11.2         | 14.8       | 6.9        | 6.62                                         | 6.75  | 6.51  | 6.63         | 82                                   | 59  | 62  | 68           | 29.7           | 39.0          | 41.8                       | 9.5                     |
| 19                       | 61.3                                              | 60.8 | 62.0 | 61.4         | 12.3                               | 17.4 | 13.5 | 14.4         | 19.2       | 9.1        | 5.70                                         | 6.40  | 8.71  | 6.94         | 54                                   | 42  | 75  | 57           | 26.8           | 32.0          | 45.9                       | 0.0                     |
| 20                       | 60.7                                              | 58.4 | 58.5 | 59.2         | 15.0                               | 23.4 | 20.4 | 19.6         | 24.2       | 13.0       | 8.96                                         | 8.32  | 8.56  | 8.61         | 70                                   | 38  | 48  | 52           | 31.0           | 35.8          | 49.5                       | 0.9                     |
| 2 inci<br>onluk          | 59.2                                              | 58.9 | 59.3 | 59.1         | 7.9                                | 11.7 | 9.4  | 9.6          | 13.0       | 6.0        | 6.40                                         | 6.53  | 6.66  | 6.53         | 81                                   | 67  | 76  | 75           | 22.1           | 27.4          | 36.1                       | 35.7                    |
| 21                       | 60.2                                              | 59.5 | 60.6 | 60.1         | 15.5                               | 18.4 | 15.2 | 16.4         | 20.2       | 11.0       | 10.50                                        | 12.29 | 11.36 | 11.38        | 80                                   | 78  | 88  | 82           | 23.1           | 26.4          | 28.0                       | 0.0                     |
| 22                       | 62.8                                              | 62.1 | 61.7 | 62.2         | 8.9                                | 8.4  | 7.2  | 8.2          | 9.8        | 7.2        | 7.38                                         | 7.90  | 7.60  | 7.63         | 87                                   | 96  | 100 | 94           | 10.4           | 11.4          | 14.5                       | 0.0                     |
| 23                       | 62.3                                              | 62.2 | 62.0 | 62.2         | 8.0                                | 11.5 | 8.7  | 9.4          | 13.3       | 6.9        | 8.02                                         | 8.17  | 7.72  | 7.97         | 100                                  | 81  | 92  | 91           | 22.8           | 29.0          | 40.6                       | 4.7                     |
| 24                       | 61.1                                              | 60.8 | 62.8 | 61.6         | 7.4                                | 16.9 | 8.2  | 10.8         | 17.7       | 5.3        | 7.70                                         | 9.81  | 8.13  | 8.55         | 100                                  | 68  | 100 | 89           | 32.0           | 42.0          | 44.8                       | 6.9                     |
| 25                       | 62.7                                              | 60.7 | 59.2 | 60.7         | 8.0                                | 14.5 | 8.6  | 10.4         | 15.8       | 6.7        | 7.79                                         | 7.37  | 7.50  | 7.55         | 97                                   | 60  | 91  | 83           | 29.6           | 38.4          | 45.2                       | 5.5                     |
| 26                       | 58.2                                              | 57.9 | 58.4 | 58.2         | 9.0                                | 11.3 | 9.1  | 9.8          | 13.4       | 8.0        | 8.35                                         | 8.41  | 7.72  | 8.16         | 97                                   | 84  | 89  | 90           | 17.8           | 21.4          | 47.5                       | 0.2                     |
| 27                       | 57.5                                              | 58.1 | 59.0 | 58.2         | 8.6                                | 8.8  | 8.5  | 8.6          | 9.3        | 8.0        | 8.36                                         | 8.12  | 7.61  | 8.03         | 100                                  | 96  | 92  | 96           | 12.0           | 13.7          | 15.0                       | 0.0                     |
| 28                       | 60.4                                              | 61.3 | 62.8 | 61.5         | 8.8                                | 11.9 | 9.0  | 9.9          | 13.3       | 7.6        | 8.12                                         | 7.70  | 7.43  | 7.75         | 96                                   | 74  | 87  | 86           | 24.0           | 30.0          | 47.7                       | 3.8                     |
| 29                       | 63.6                                              | 62.4 | 61.9 | 62.6         | 9.2                                | 17.9 | 11.0 | 12.7         | 18.0       | 6.5        | 7.77                                         | 7.63  | 4.36  | 6.59         | 89                                   | 50  | 44  | 61           | 32.7           | 42.0          | 48.0                       | 12.1                    |
| 30                       | 60.0                                              | 58.5 | 57.1 | 58.5         | 13.1                               | 21.6 | 15.7 | 16.8         | 22.3       | 8.0        | 6.75                                         | 8.68  | 7.40  | 7.61         | 60                                   | 45  | 55  | 53           | 37.8           | 46.8          | 50.0                       | 10.2                    |
| 31                       |                                                   |      |      |              |                                    |      |      |              |            |            |                                              |       |       |              |                                      |     |     |              |                |               |                            |                         |
| 3 üncü<br>onluk          | 60.9                                              | 60.3 | 60.6 | 60.6         | 9.7                                | 14.1 | 10.1 | 11.3         | 15.3       | 7.5        | 8.07                                         | 8.61  | 7.68  | 8.12         | 91                                   | 73  | 84  | 83           | 24.2           | 30.1          | 38.1                       | 43.4                    |
| Tekün<br>Aylık<br>Vasatı | 60.4                                              | 60.1 | 60.3 | 60.3         | 8.5                                | 12.6 | 9.4  | 10.2         | 13.8       | 6.5        | 7.02                                         | 7.31  | 6.98  | 7.11         | 85                                   | 68  | 79  | 78           | 23.4           | 29.5          | 37.0                       | 133.6                   |

ril 1938

| Rüzgâr — Vent                        |    |    |    |    |    |    |    |              |    |    |    |    |    |    |    |                  |             |             | Sehap—Nuage |         | Yağmur<br>Pluie |  | Kar<br>Neige |  | Mülâhazat<br>Remarques |
|--------------------------------------|----|----|----|----|----|----|----|--------------|----|----|----|----|----|----|----|------------------|-------------|-------------|-------------|---------|-----------------|--|--------------|--|------------------------|
| Tekerrür —<br>Nombre de<br>fréquence |    |    |    |    |    |    |    | Tekessür [*] |    |    |    |    |    |    |    | Sürat<br>Vitesse | den<br>7 ye | den<br>7 ye | den<br>7 ye |         |                 |  |              |  |                        |
| N                                    | NE | E  | SE | S  | SW | W  | NW | N            | NE | E  | SE | S  | SW | W  | NW |                  |             |             |             | Sakin   |                 |  |              |  |                        |
|                                      |    |    |    |    |    |    |    |              |    |    |    |    |    |    |    |                  |             |             |             | mm.     | cm.             |  |              |  |                        |
| —                                    | —  | —  | —  | 5  | 5  | —  | —  | —            | —  | —  | —  | 72 | 28 | —  | —  | —                | 7.6         | 7.3         | 0.1         | ●       |                 |  |              |  |                        |
| —                                    | —  | —  | —  | 3  | 2  | 1  | —  | —            | —  | —  | —  | 44 | 13 | 3  | —  | 40               | 3.0         | 6.0         | —           | ●     8 |                 |  |              |  |                        |
| —                                    | —  | —  | —  | 3  | 2  | —  | —  | —            | —  | —  | —  | 93 | 7  | —  | —  | —                | 3.8         | 0.0         | —           | ● 8     |                 |  |              |  |                        |
| 2                                    | —  | —  | —  | 1  | 2  | 1  | 1  | 31           | —  | —  | —  | 21 | 22 | 11 | 13 | 2                | 8.4         | 3.0         | 4.8         | ●       |                 |  |              |  |                        |
| 1                                    | —  | —  | —  | —  | —  | —  | —  | 100          | —  | —  | —  | —  | —  | —  | —  | —                | 6.1         | 10.0        | 8.6         | ●       |                 |  |              |  |                        |
| 3                                    | —  | 1  | —  | —  | —  | —  | —  | 86           | —  | 1  | —  | —  | —  | —  | —  | 13               | 7.8         | 10.0        | 12.3        | ● 8     |                 |  |              |  |                        |
| 1                                    | 1  | 1  | 1  | 1  | —  | 1  | 2  | 5            | 2  | 8  | 8  | 9  | —  | 4  | 23 | 41               | 3.7         | 5.3         | —           | ●       |                 |  |              |  |                        |
| —                                    | —  | —  | —  | 3  | 2  | —  | —  | —            | —  | —  | —  | 47 | 28 | —  | —  | 25               | 2.3         | 1.0         | —           | ●       |                 |  |              |  |                        |
| 3                                    | —  | —  | —  | 3  | 3  | 4  | 6  | 21           | —  | —  | —  | 7  | 11 | 16 | 41 | 4                | 4.1         | 3.3         | 5.5         | ●       |                 |  |              |  |                        |
| 2                                    | 4  | 3  | —  | —  | 3  | 1  | 1  | 9            | 28 | 21 | —  | —  | 13 | 2  | 6  | 21               | 2.8         | 3.0         | —           | ●       |                 |  |              |  |                        |
| ci<br>k                              | 12 | 5  | 5  | 1  | 19 | 19 | 8  | 10           | 25 | 3  | 3  | 1  | 29 | 12 | 4  | 8                | 15          | 5.0         | 4.9         | 31.3    | ●               |  |              |  |                        |
| 2                                    | 2  | —  | —  | —  | —  | —  | —  | 90           | 10 | —  | —  | —  | —  | —  | —  | —                | 5.1         | 7.3         | 0.5         | ● p     |                 |  |              |  |                        |
| 5                                    | 7  | 1  | —  | —  | —  | —  | —  | 46           | 53 | 1  | —  | —  | —  | —  | —  | —                | 7.0         | 10.0        | 6.8         | ●       |                 |  |              |  |                        |
| 2                                    | 2  | —  | —  | —  | 1  | —  | —  | 55           | 5  | —  | —  | —  | 4  | —  | —  | 36               | 6.4         | 10.0        | 10.8        | ●       |                 |  |              |  |                        |
| —                                    | —  | —  | —  | 3  | 3  | —  | —  | —            | —  | —  | —  | 8  | 32 | —  | —  | 60               | 1.4         | 1.0         | —           | ●       |                 |  |              |  |                        |
| 3                                    | 3  | 1  | —  | 1  | 1  | 1  | 1  | 65           | 19 | 4  | —  | 1  | 8  | 1  | 1  | 1                | 2.1         | 6.0         | —           | ●       |                 |  |              |  |                        |
| 2                                    | —  | —  | —  | —  | —  | 2  | —  | 93           | —  | —  | —  | —  | —  | 7  | —  | —                | 8.3         | 10.0        | 8.4         | ●       |                 |  |              |  |                        |
| 4                                    | —  | —  | —  | 1  | 2  | 6  | 5  | 24           | —  | —  | —  | 1  | 10 | 15 | 27 | 23               | 8.7         | 10.0        | 7.5         | ●       |                 |  |              |  |                        |
| —                                    | —  | 2  | 3  | 7  | 3  | —  | —  | —            | 23 | 11 | 19 | 18 | —  | —  | —  | 29               | 1.3         | 1.7         | —           | ●       |                 |  |              |  |                        |
| —                                    | —  | 1  | 5  | 4  | 3  | —  | —  | —            | —  | 1  | 30 | 29 | 4  | —  | —  | 36               | 1.0         | 6.0         | 0.2         | ●       |                 |  |              |  |                        |
| —                                    | —  | —  | 2  | 3  | 1  | —  | —  | —            | —  | —  | 40 | 31 | 4  | —  | —  | 25               | 4.4         | 9.7         | 1.0         | ●       |                 |  |              |  |                        |
| ci<br>k                              | 18 | 14 | 5  | 10 | 19 | 14 | 9  | 6            | 37 | 9  | 3  | 8  | 9  | 8  | 2  | 3                | 21          | 4.6         | 7.2         | 35.2    | ●               |  |              |  |                        |
| 2                                    | —  | —  | 1  | 5  | —  | —  | 2  | 38           | —  | —  | 4  | 30 | —  | —  | 7  | 21               | 1.5         | 7.7         | 5.5         | ●       |                 |  |              |  |                        |
| 1                                    | —  | —  | —  | —  | —  | —  | 1  | 73           | —  | —  | —  | —  | —  | —  | 1  | 26               | 6.3         | 10.0        | 2.1         | ●       |                 |  |              |  |                        |
| 3                                    | 2  | 2  | —  | 2  | —  | —  | 2  | 26           | 3  | 18 | —  | 6  | —  | —  | 3  | 44               | 2.6         | 5.7         | —           | ●       |                 |  |              |  |                        |
| 2                                    | 1  | —  | —  | 3  | 2  | 1  | 1  | 55           | 11 | —  | —  | 24 | 5  | 1  | 2  | 2                | 2.0         | 10.0        | —           | ●       |                 |  |              |  |                        |
| 3                                    | 3  | 1  | —  | —  | —  | —  | —  | 41           | 42 | 3  | —  | —  | —  | —  | —  | 14               | 5.3         | 9.0         | —           | ●       |                 |  |              |  |                        |
| 3                                    | 2  | —  | —  | —  | —  | —  | 1  | 88           | 10 | —  | —  | —  | —  | —  | 2  | —                | 3.5         | 10.0        | 1.1         | ●       |                 |  |              |  |                        |
| 2                                    | —  | —  | —  | —  | —  | —  | 1  | 96           | —  | —  | —  | —  | —  | —  | 2  | 2                | 4.3         | 10.0        | 0.3         | ●       |                 |  |              |  |                        |
| 3                                    | 1  | 1  | —  | —  | —  | —  | 1  | 23           | 1  | 1  | —  | —  | —  | —  | 10 | 65               | 2.6         | 6.7         | —           | ●       |                 |  |              |  |                        |
| 1                                    | 1  | 1  | 1  | 1  | 1  | —  | 1  | 4            | 8  | 23 | 2  | 4  | 14 | —  | 9  | 36               | 2.3         | 0.0         | —           | ● p     |                 |  |              |  |                        |
| —                                    | —  | 2  | 1  | 1  | 1  | —  | —  | —            | —  | 6  | 15 | 8  | 8  | —  | —  | 63               | 0.3         | 0.0         | —           | ●       |                 |  |              |  |                        |
| ci<br>k                              | 20 | 10 | 7  | 3  | 12 | 4  | 1  | 10           | 44 | 8  | 5  | 2  | 7  | 3  | —  | 4                | 27          | 3.1         | 6.9         | 9.0     | ●               |  |              |  |                        |
| ci<br>k                              | 50 | 29 | 17 | 14 | 50 | 37 | 18 | 26           | —  | —  | —  | —  | —  | —  | —  | —                | —           | —           | —           | —       | ●               |  |              |  |                        |
| ci<br>k                              | —  | —  | —  | —  | —  | —  | —  | —            | 35 | 6  | 4  | 4  | 15 | 8  | 2  | 5                | 21          | 4.2         | 6.3         | 75.5    | ●               |  |              |  |                        |

[\*] Bir gün zarfında her hangi bir cihetten esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi —  
 Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

| Tarih — Date<br>Tarih    | Barometre<br>(O° ye ve S. V. B.)<br>700 mm + .... |      |      |              | Hararet derecesi C°<br>Température |      |      |              |            |            | Buhar tevettürü<br>Tension de la vap.<br>mm. |       |       |              | Nisbi<br>rutubet %<br>Humidité relat. |    |     |              | Aktinom.<br>C° |               | Güneşe azami<br>Max. noir |
|--------------------------|---------------------------------------------------|------|------|--------------|------------------------------------|------|------|--------------|------------|------------|----------------------------------------------|-------|-------|--------------|---------------------------------------|----|-----|--------------|----------------|---------------|---------------------------|
|                          | 7                                                 | 14   | 21   | Vas.<br>Moy. | 7                                  | 14   | 21   | Vas.<br>Moy. | Az.<br>Max | As.<br>Min | 7                                            | 14    | 21    | Vas.<br>Moy. | 7                                     | 14 | 21  | Vas.<br>Moy. | Beyaz<br>Blanc | Siyah<br>Noir |                           |
| 1                        | 53.6                                              | 52.1 | 52.2 | 52.6         | 14.8                               | 22.6 | 13.9 | 17.1         | 24.4       | 12.3       | 7.69                                         | 8.50  | 9.35  | 8.51         | 16                                    | 41 | 79  | 60           | 38.6           | 48.1          | 54.3                      |
| 2                        | 51.0                                              | 50.5 | 51.2 | 50.9         | 14.2                               | 14.9 | 12.3 | 13.8         | 15.8       | 10.6       | 9.56                                         | 9.57  | 9.67  | 9.63         | 79                                    | 77 | 91  | 82           | 29.0           | 37.0          | 45.0                      |
| 3                        | 51.9                                              | 53.1 | 54.0 | 53.0         | 11.3                               | 12.8 | 11.9 | 12.0         | 13.5       | 10.7       | 9.76                                         | 10.52 | 9.77  | 10.02        | 97                                    | 95 | 94  | 95           | 15.6           | 17.6          | 24.9                      |
| 4                        | 54.1                                              | 56.6 | 58.9 | 56.5         | 11.9                               | 10.7 | 9.7  | 10.8         | 12.9       | 10.8       | 9.90                                         | 9.37  | 8.40  | 9.22         | 95                                    | 97 | 93  | 95           | 14.7           | 16.8          | 26.2                      |
| 5                        | 60.4                                              | 59.5 | 59.4 | 59.8         | 11.4                               | 15.4 | 12.9 | 13.2         | 17.0       | 8.8        | 9.08                                         | 8.08  | 9.18  | 8.78         | 90                                    | 62 | 82  | 78           | 31.6           | 40.8          | 47.5                      |
| 6                        | 65.0                                              | 66.0 | 65.6 | 65.5         | 8.6                                | 11.9 | 8.8  | 9.8          | 14.8       | 7.1        | 6.77                                         | 6.29  | 6.99  | 6.68         | 81                                    | 60 | 82  | 74           | 23.2           | 29.8          | 39.6                      |
| 7                        | 65.3                                              | 64.0 | 63.2 | 64.2         | 11.5                               | 20.3 | 17.9 | 16.6         | 21.2       | 7.3        | 8.41                                         | 10.45 | 7.89  | 8.92         | 83                                    | 59 | 52  | 65           | 30.0           | 45.4          | 47.0                      |
| 8                        | 61.6                                              | 59.6 | 59.8 | 60.3         | 15.9                               | 22.4 | 17.2 | 18.5         | 23.8       | 13.8       | 10.14                                        | 11.10 | 9.50  | 10.25        | 75                                    | 55 | 65  | 65           | 38.0           | 41.0          | 55.0                      |
| 9                        | 63.8                                              | 65.3 | 67.2 | 65.4         | 15.5                               | 15.1 | 11.3 | 14.0         | 17.5       | 10.4       | 9.18                                         | 9.29  | 9.26  | 9.24         | 70                                    | 73 | 93  | 79           | 32.1           | 41.6          | 45.2                      |
| 10                       | 67.1                                              | 65.0 | 65.6 | 65.9         | 13.8                               | 18.9 | 12.3 | 15.0         | 19.8       | 9.8        | 8.53                                         | 8.67  | 8.79  | 8.69         | 72                                    | 54 | 82  | 69           | 32.8           | 42.0          | 46.1                      |
| 1inci<br>onluk           | 59.4                                              | 59.2 | 59.7 | 59.4         | 12.9                               | 16.5 | 12.8 | 14.1         | 18.1       | 10.2       | 8.90                                         | 9.20  | 8.88  | 8.99         | 80                                    | 67 | 81  | 76           | 28.6           | 36.0          | 43.1                      |
| 11                       | 62.4                                              | 60.1 | 58.5 | 60.3         | 16.5                               | 26.6 | 19.1 | 20.7         | 28.8       | 11.1       | 10.32                                        | 11.71 | 10.16 | 10.73        | 74                                    | 45 | 62  | 60           | 42.2           | 52.0          | 53.3                      |
| 12                       | 59.7                                              | 60.9 | 63.1 | 61.2         | 16.1                               | 15.8 | 11.4 | 14.4         | 19.9       | 11.3       | 10.29                                        | 10.20 | 10.07 | 10.19        | 75                                    | 76 | 100 | 84           | 32.2           | 41.4          | 45.4                      |
| 13                       | 64.8                                              | 65.0 | 65.5 | 65.1         | 10.8                               | 11.8 | 9.9  | 10.8         | 13.8       | 9.6        | 9.68                                         | 7.87  | 7.24  | 8.26         | 100                                   | 76 | 79  | 85           | 23.2           | 29.8          | 45.0                      |
| 14                       | 64.7                                              | 64.2 | 64.3 | 64.4         | 10.9                               | 12.4 | 11.7 | 11.7         | 12.8       | 9.3        | 9.62                                         | 10.37 | 9.52  | 9.84         | 99                                    | 97 | 93  | 96           | 17.0           | 19.0          | 29.0                      |
| 15                       | 63.7                                              | 64.2 | 64.6 | 64.2         | 12.5                               | 16.4 | 10.9 | 13.3         | 17.0       | 9.7        | 8.67                                         | 8.26  | 8.29  | 8.41         | 80                                    | 59 | 85  | 75           | 33.3           | 42.8          | 46.8                      |
| 16                       | 65.2                                              | 65.0 | 65.2 | 65.1         | 10.1                               | 19.1 | 14.9 | 14.7         | 19.8       | 8.3        | 9.24                                         | 7.44  | 6.63  | 7.77         | 100                                   | 45 | 52  | 66           | 35.0           | 44.4          | 48.0                      |
| 17                       | 65.4                                              | 64.5 | 63.8 | 64.6         | 14.9                               | 20.7 | 17.3 | 17.6         | 23.8       | 11.0       | 9.92                                         | 10.35 | 6.03  | 8.77         | 79                                    | 57 | 41  | 59           | 36.2           | 45.4          | 48.7                      |
| 18                       | 63.3                                              | 62.1 | 61.8 | 62.4         | 16.7                               | 24.9 | 17.6 | 19.7         | 25.5       | 13.5       | 8.60                                         | 9.17  | 7.68  | 8.48         | 61                                    | 39 | 50  | 50           | 40.3           | 49.6          | 51.3                      |
| 19                       | 62.7                                              | 62.1 | 62.2 | 62.3         | 16.1                               | 24.3 | 19.2 | 19.9         | 26.0       | 14.5       | 8.70                                         | 8.94  | 7.52  | 8.39         | 63                                    | 40 | 45  | 49           | 40.0           | 49.4          | 51.5                      |
| 20                       | 62.2                                              | 60.9 | 60.9 | 61.3         | 20.5                               | 25.8 | 18.4 | 21.6         | 27.3       | 15.1       | 10.47                                        | 8.79  | 9.19  | 9.48         | 58                                    | 35 | 58  | 50           | 41.3           | 50.2          | 54.3                      |
| 2inci<br>onluk           | 63.4                                              | 62.9 | 63.0 | 63.1         | 14.5                               | 19.8 | 15.0 | 16.4         | 21.5       | 11.3       | 9.55                                         | 9.31  | 8.23  | 9.03         | 79                                    | 57 | 67  | 67           | 34.1           | 42.4          | 47.3                      |
| 21                       | 60.5                                              | 59.8 | 60.3 | 60.2         | 13.8                               | 15.7 | 12.5 | 14.0         | 17.8       | 11.0       | 9.06                                         | 11.06 | 10.31 | 10.14        | 85                                    | 83 | 95  | 88           | 32.0           | 41.0          | 42.0                      |
| 22                       | 60.5                                              | 59.9 | 60.6 | 60.3         | 12.7                               | 27.8 | 21.2 | 20.6         | 29.0       | 11.2       | 9.18                                         | 12.95 | 8.92  | 10.35        | 83                                    | 46 | 47  | 59           | 43.0           | 52.0          | 53.8                      |
| 23                       | 61.8                                              | 60.5 | 59.2 | 60.5         | 17.3                               | 24.7 | 19.8 | 20.6         | 26.3       | 14.3       | 11.51                                        | 9.44  | 10.16 | 10.37        | 78                                    | 41 | 59  | 59           | 40.6           | 49.8          | 52.3                      |
| 24                       | 55.6                                              | 53.1 | 52.4 | 53.7         | 20.0                               | 26.9 | 19.9 | 22.3         | 29.4       | 16.7       | 10.05                                        | 11.85 | 14.72 | 12.21        | 57                                    | 45 | 85  | 62           | 41.8           | 52.0          | 55.0                      |
| 25                       | 53.5                                              | 53.7 | 54.5 | 53.9         | 16.4                               | 22.5 | 17.0 | 18.6         | 22.5       | 14.6       | 11.76                                        | 10.16 | 8.68  | 10.20        | 84                                    | 50 | 60  | 65           | 38.4           | 47.9          | 50.5                      |
| 26                       | 55.5                                              | 56.8 | 58.4 | 56.9         | 16.5                               | 17.7 | 14.5 | 16.2         | 20.3       | 14.3       | 10.32                                        | 10.71 | 12.33 | 11.12        | 74                                    | 71 | 100 | 82           | 26.8           | 32.5          | 46.0                      |
| 27                       | 60.3                                              | 60.4 | 61.3 | 60.7         | 15.3                               | 21.3 | 15.3 | 17.3         | 22.3       | 12.6       | 10.22                                        | 9.99  | 9.96  | 10.06        | 79                                    | 53 | 77  | 70           | 36.0           | 46.0          | 56.0                      |
| 28                       | 62.0                                              | 61.8 | 61.7 | 61.8         | 17.2                               | 19.9 | 17.1 | 18.1         | 23.0       | 13.6       | 11.01                                        | 10.82 | 9.43  | 10.42        | 75                                    | 63 | 65  | 68           | 33.0           | 40.0          | 53.0                      |
| 29                       | 61.3                                              | 60.8 | 60.2 | 60.8         | 17.5                               | 25.3 | 19.6 | 20.8         | 27.2       | 14.3       | 10.69                                        | 9.53  | 8.89  | 9.70         | 72                                    | 39 | 52  | 54           | 40.8           | 49.4          | 52.2                      |
| 30                       | 60.7                                              | 61.7 | 62.3 | 61.6         | 17.5                               | 21.0 | 15.5 | 18.0         | 22.5       | 13.2       | 12.53                                        | 12.38 | 10.24 | 11.72        | 84                                    | 67 | 78  | 76           | 37.2           | 46.4          | 50.4                      |
| 31                       | 62.4                                              | 61.3 | 61.6 | 61.8         | 17.1                               | 23.3 | 16.7 | 19.0         | 24.4       | 12.2       | 10.10                                        | 8.81  | 8.60  | 9.17         | 69                                    | 42 | 61  | 57           | 39.1           | 48.3          | 53.2                      |
| 3üncü<br>onluk           | 59.5                                              | 59.1 | 59.3 | 59.3         | 16.5                               | 22.4 | 17.2 | 18.7         | 24.1       | 13.5       | 10.58                                        | 10.70 | 10.20 | 10.50        | 76                                    | 55 | 71  | 67           | 37.2           | 45.9          | 51.3                      |
| Yekün<br>Aylık<br>Vasatı | 60.7                                              | 60.3 | 60.6 | 60.6         | 14.7                               | 19.6 | 15.1 | 16.5         | 21.3       | 11.7       | 9.71                                         | 9.77  | 9.14  | 9.54         | 78                                    | 59 | 73  | 70           | 33.4           | 41.6          | 47.4                      |

İai 1938

| Tarih — Date      | Rüzgâr — Vent                  |    |    |    |    |    |    |    |              |    |    |    |    |    |    |    |                          | Selâp—Nuage | Yağmur<br>Pluie<br>mm. | Kar<br>Neige<br>cm. | Mülâhazat |       |
|-------------------|--------------------------------|----|----|----|----|----|----|----|--------------|----|----|----|----|----|----|----|--------------------------|-------------|------------------------|---------------------|-----------|-------|
|                   | Tekerrür — Nombre de fréquence |    |    |    |    |    |    |    | Tekessür [*] |    |    |    |    |    |    |    | Sürat<br>Vitesse<br>m/s. |             |                        |                     |           |       |
|                   | N                              | NE | E  | SE | S  | SW | W  | NW | N            | NE | E  | SE | S  | SW | W  | NW |                          |             |                        |                     |           | Sakin |
|                   |                                |    |    |    |    |    |    |    |              |    |    |    |    |    |    |    |                          |             |                        |                     |           |       |
| 1                 | 5                              | 1  | 1  | —  | 2  | 2  | 1  | 1  | 30           | 2  | 2  | —  | 10 | 8  | 1  | 3  | 44                       | 1.0         | 5.7                    | 0.7                 |           |       |
| 2                 | —                              | —  | —  | —  | 2  | 3  | 1  | 1  | —            | —  | —  | —  | 28 | 50 | 2  | 13 | 7                        | 3.1         | 5.7                    | 14.9                | ●         |       |
| 3                 | —                              | —  | —  | —  | 6  | 6  | —  | —  | —            | —  | —  | —  | 47 | 28 | —  | —  | 25                       | 2.7         | 10.0                   | 23.3                | III ●     |       |
| 4                 | 3                              | —  | —  | —  | —  | —  | —  | 4  | 49           | —  | —  | —  | —  | —  | —  | 19 | 32                       | 3.3         | 10.0                   | 5.5                 | III ●     |       |
| 5                 | 4                              | 3  | 2  | —  | —  | 1  | 3  | —  | 32           | 6  | 18 | —  | —  | 2  | 38 | —  | 4                        | 2.8         | 4.0                    | 1.3                 |           |       |
| 6                 | 3                              | 4  | 4  | —  | —  | —  | —  | —  | 22           | 22 | 10 | —  | —  | —  | —  | —  | 46                       | 4.3         | 4.0                    | 0.4                 | ●         |       |
| 7                 | —                              | —  | —  | —  | 2  | 3  | —  | —  | —            | —  | —  | —  | 8  | 24 | —  | —  | 68                       | 0.5         | 0.0                    | —                   |           |       |
| 8                 | 3                              | 1  | —  | —  | 5  | 5  | 1  | 1  | 24           | 1  | —  | —  | 39 | 21 | 4  | 5  | 6                        | 1.5         | 0.0                    | —                   | p         |       |
| 9                 | 4                              | 2  | —  | —  | —  | —  | 1  | 2  | 26           | 65 | —  | —  | —  | —  | 2  | 7  | —                        | 5.8         | 0.7                    | —                   | p         |       |
| 10                | 4                              | 5  | 4  | 4  | 2  | 1  | —  | —  | 39           | 20 | 12 | 21 | 5  | 2  | —  | —  | 1                        | 4.0         | 7.7                    | —                   |           |       |
| inci<br>luk       | 26                             | 16 | 11 | 4  | 19 | 21 | 7  | 9  | 22           | 12 | 4  | 2  | 14 | 13 | 5  | 5  | 23                       | 2.9         | 4.8                    | 46.1                |           |       |
| 11                | 2                              | —  | —  | 4  | 8  | 7  | 2  | 2  | 4            | —  | —  | 21 | 21 | 34 | 4  | 2  | 14                       | 1.6         | 4.0                    | —                   | 8         |       |
| 12                | 4                              | —  | —  | —  | —  | —  | 1  | 3  | 84           | —  | —  | —  | —  | —  | 3  | 13 | —                        | 4.9         | 5.0                    | 1.5                 | p ●       |       |
| 13                | 2                              | —  | —  | —  | —  | —  | —  | 1  | 98           | —  | —  | —  | —  | —  | —  | 2  | —                        | 7.6         | 9.7                    | 2.6                 | ●         |       |
| 14                | 3                              | —  | —  | —  | —  | —  | 1  | 3  | 78           | —  | —  | —  | —  | —  | 3  | 19 | —                        | 5.0         | 10.0                   | 1.0                 | ●         |       |
| 15                | —                              | 1  | 1  | —  | —  | —  | —  | —  | 34           | 53 | —  | —  | —  | —  | —  | 13 | —                        | 5.3         | 2.3                    | —                   | ●         |       |
| 16                | —                              | —  | —  | —  | —  | 1  | —  | —  | —            | —  | —  | —  | —  | 60 | —  | —  | 40                       | 3.1         | 0.0                    | —                   | III       |       |
| 17                | —                              | —  | —  | 1  | 1  | 1  | —  | —  | —            | —  | —  | 8  | 13 | 35 | —  | —  | 44                       | 1.4         | 0.0                    | —                   |           |       |
| 18                | —                              | —  | 1  | 4  | 3  | 1  | —  | —  | —            | —  | 4  | 17 | 16 | 33 | —  | —  | 30                       | 1.4         | 0.0                    | —                   | p         |       |
| 19                | —                              | —  | 1  | 1  | 1  | 1  | —  | —  | —            | —  | 10 | 3  | 4  | 52 | —  | —  | 31                       | 1.3         | 0.0                    | —                   |           |       |
| 20                | 2                              | 3  | 2  | —  | —  | 1  | 1  | 1  | 42           | 22 | 17 | —  | —  | 8  | 6  | 4  | 1                        | 2.2         | 0.0                    | —                   |           |       |
| inci<br>luk       | 13                             | 4  | 5  | 10 | 13 | 12 | 5  | 10 | 31           | 6  | 8  | 5  | 5  | 22 | 2  | 4  | 17                       | 3.4         | 3.1                    | 5.1                 |           |       |
| 21                | 3                              | 3  | 1  | —  | —  | 1  | 1  | —  | 69           | 7  | 14 | —  | —  | 5  | 1  | —  | 4                        | 5.9         | 0.0                    | —                   |           |       |
| 22                | —                              | —  | —  | —  | 4  | 4  | 1  | —  | —            | —  | —  | —  | 45 | 24 | 1  | —  | 31                       | 0.6         | 0.0                    | —                   | p         |       |
| 23                | —                              | 3  | 4  | 2  | 5  | 2  | 1  | —  | —            | 21 | 29 | 8  | 18 | 11 | 4  | —  | 9                        | 3.0         | 0.0                    | —                   | p         |       |
| 24                | 1                              | —  | —  | 1  | 5  | 6  | 2  | 1  | 7            | —  | —  | 2  | 40 | 42 | 3  | 1  | 5                        | 2.1         | 2.0                    | 0.5                 | ● T       |       |
| 25                | —                              | —  | —  | —  | 2  | 3  | 1  | —  | —            | —  | —  | —  | 25 | 71 | 4  | —  | —                        | 5.3         | 1.3                    | —                   | p         |       |
| 26                | 2                              | 1  | 1  | 1  | 3  | 3  | 2  | 2  | 2            | 1  | 1  | 4  | 50 | 17 | 6  | 4  | 15                       | 4.6         | 7.0                    | —                   |           |       |
| 27                | —                              | —  | —  | —  | 2  | 2  | —  | —  | —            | —  | —  | —  | 27 | 40 | —  | —  | 33                       | 2.7         | 0.0                    | —                   |           |       |
| 28                | 1                              | 1  | 2  | 1  | 2  | 3  | 2  | 1  | 15           | 4  | 14 | 3  | 9  | 16 | 2  | 1  | 36                       | 2.1         | 1.7                    | —                   |           |       |
| 29                | 4                              | 1  | 1  | 1  | 1  | 2  | 1  | 2  | 19           | 3  | 5  | 20 | 1  | 32 | 1  | 4  | 15                       | 1.7         | 0.0                    | —                   | p         |       |
| 30                | 3                              | 4  | 3  | —  | —  | —  | 1  | 2  | 36           | 27 | 23 | —  | —  | —  | 2  | 3  | 9                        | 3.6         | 0.7                    | —                   | p         |       |
| 31                | 4                              | 1  | 1  | 1  | 1  | —  | 2  | 6  | 37           | 1  | 8  | 5  | 3  | —  | 8  | 26 | 12                       | 3.1         | 1.7                    | —                   |           |       |
| ncü<br>luk        | 18                             | 14 | 13 | 7  | 25 | 26 | 14 | 14 | 17           | 6  | 9  | 4  | 20 | 23 | 3  | 4  | 15                       | 3.5         | 1.3                    | 0.5                 |           |       |
| lkü<br>lk<br>sati | 57                             | 34 | 29 | 21 | 57 | 59 | 26 | 33 |              |    |    |    |    |    |    |    |                          |             |                        |                     | 51.7      |       |
|                   |                                |    |    |    |    |    |    |    | 23           | 8  | 7  | 4  | 13 | 20 | 3  | 4  | 18                       | 3.1         | 3.0                    |                     |           |       |

[\*] Bir gün zarfında her hangi bir cihetten esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi. —  
 Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

| Fah-D.          | Barometre<br>(0° ye ve S.V.B.)<br>700 mm + ... |      |      |              | Hararet derecesi C°<br>Température |      |      |              |            |            | Buhar tevettürü<br>Tension de la vap.<br>mm. |       |       |              | Nisbi<br>rutubet %<br>Humidité relat. |    |    |              | Aktinom<br>C°  |               | Güneşte azami<br>Max. noir | Sa<br>b |
|-----------------|------------------------------------------------|------|------|--------------|------------------------------------|------|------|--------------|------------|------------|----------------------------------------------|-------|-------|--------------|---------------------------------------|----|----|--------------|----------------|---------------|----------------------------|---------|
|                 | 7                                              | 14   | 21   | Vas.<br>Moy. | 7                                  | 14   | 21   | Vas.<br>Moy. | Az.<br>Max | As.<br>Min | 7                                            | 14    | 21    | Vas.<br>Moy. | 7                                     | 14 | 21 | Vas.<br>Moy. | Beyaz<br>Blanc | Siyah<br>Noir |                            |         |
|                 |                                                |      |      |              |                                    |      |      |              |            |            |                                              |       |       |              |                                       |    |    |              |                |               |                            |         |
| 1               | 66.0                                           | 67.5 | 67.7 | 67.1         | 16.3                               | 19.9 | 14.7 | 17.0         | 20.2       | 12.3       | 10.71                                        | 9.41  | 8.49  | 9.54         | 75                                    | 56 | 68 | 66           | 36.0           | 45.3          | 53.2                       | 11      |
| 2               | 66.7                                           | 65.8 | 65.8 | 66.1         | 16.7                               | 22.7 | 15.1 | 18.2         | 23.0       | 11.7       | 6.56                                         | 6.91  | 10.88 | 8.12         | 46                                    | 33 | 85 | 55           | 38.6           | 47.6          | 48.5                       | 13      |
| 3               | 64.6                                           | 64.1 | 62.8 | 63.8         | 19.1                               | 23.3 | 16.5 | 19.6         | 23.5       | 13.8       | 9.05                                         | 9.09  | 11.42 | 9.85         | 55                                    | 43 | 82 | 60           | 39.1           | 48.2          | 51.5                       | 12      |
| 4               | 62.1                                           | 61.0 | 60.9 | 61.3         | 17.1                               | 22.2 | 17.9 | 19.1         | 23.8       | 14.0       | 12.92                                        | 10.92 | 12.58 | 12.14        | 89                                    | 55 | 82 | 75           | 38.4           | 42.4          | 52.0                       | 12      |
| 5               | 61.0                                           | 61.1 | 61.3 | 61.1         | 18.7                               | 23.1 | 17.1 | 19.6         | 24.3       | 14.8       | 13.59                                        | 11.74 | 13.36 | 12.90        | 84                                    | 56 | 92 | 77           | 38.9           | 47.8          | 52.0                       | 12      |
| 6               | 62.3                                           | 62.7 | 62.8 | 62.6         | 18.8                               | 24.5 | 16.7 | 20.0         | 24.8       | 15.5       | 13.38                                        | 7.81  | 12.72 | 11.30        | 83                                    | 34 | 90 | 69           | 39.8           | 49.0          | 52.5                       | 12      |
| 7               | 62.9                                           | 62.6 | 62.6 | 62.7         | 18.1                               | 23.7 | 17.1 | 19.6         | 24.8       | 15.0       | 13.65                                        | 10.63 | 13.36 | 12.55        | 88                                    | 48 | 92 | 76           | 39.4           | 48.4          | 52.6                       | 12      |
| 8               | 62.5                                           | 61.9 | 63.2 | 62.5         | 17.7                               | 22.3 | 17.7 | 19.2         | 23.8       | 14.5       | 13.89                                        | 11.61 | 13.00 | 12.83        | 92                                    | 57 | 86 | 78           | 38.4           | 47.4          | 52.2                       | 12      |
| 9               | 63.0                                           | 62.9 | 63.9 | 63.3         | 19.1                               | 23.5 | 18.3 | 20.3         | 23.5       | 15.8       | 14.58                                        | 13.23 | 14.44 | 14.08        | 88                                    | 62 | 92 | 81           | 39.2           | 48.6          | 53.1                       | 11      |
| 10              | 63.8                                           | 63.8 | 64.3 | 64.0         | 19.9                               | 22.1 | 17.7 | 19.9         | 23.5       | 16.8       | 13.49                                        | 13.11 | 11.70 | 12.77        | 78                                    | 66 | 77 | 74           | 35.4           | 43.0          | 55.0                       | 10      |
| 1 inci<br>onluk | 63.5                                           | 63.3 | 63.5 | 63.5         | 18.2                               | 22.7 | 16.9 | 19.3         | 23.5       | 14.4       | 12.18                                        | 10.45 | 12.20 | 11.61        | 78                                    | 51 | 85 | 71           | 38.3           | 46.8          | 52.3                       | 122     |
| 11              | 63.6                                           | 62.8 | 63.0 | 63.1         | 19.1                               | 22.7 | 17.1 | 19.6         | 23.0       | 15.4       | 11.73                                        | 9.02  | 11.90 | 10.88        | 72                                    | 44 | 82 | 66           | 38.0           | 47.0          | 51.0                       | 13      |
| 12              | 62.5                                           | 62.2 | 61.6 | 62.1         | 19.3                               | 22.7 | 17.1 | 19.7         | 23.3       | 14.9       | 11.75                                        | 10.33 | 13.21 | 11.76        | 70                                    | 50 | 91 | 70           | 39.4           | 48.0          | 52.3                       | 12      |
| 13              | 61.1                                           | 61.0 | 60.5 | 60.9         | 17.5                               | 24.7 | 18.9 | 20.4         | 25.8       | 13.2       | 14.00                                        | 8.55  | 11.27 | 11.27        | 94                                    | 37 | 69 | 67           | 40.6           | 41.6          | 53.5                       | 12      |
| 14              | 60.5                                           | 59.9 | 59.2 | 59.9         | 20.4                               | 27.3 | 20.7 | 22.8         | 28.8       | 16.6       | 10.53                                        | 11.29 | 10.92 | 10.91        | 59                                    | 42 | 60 | 54           | 43.0           | 55.5          | 57.8                       | 13      |
| 15              | 58.9                                           | 57.3 | 54.9 | 57.0         | 21.9                               | 29.9 | 23.1 | 25.0         | 31.8       | 17.2       | 11.10                                        | 11.05 | 12.68 | 11.61        | 57                                    | 35 | 60 | 51           | 44.2           | 53.4          | 61.2                       | 12      |
| 16              | 53.5                                           | 54.2 | 56.9 | 54.9         | 22.0                               | 22.5 | 15.7 | 20.1         | 24.3       | 14.0       | 11.04                                        | 11.64 | 12.59 | 11.76        | 56                                    | 57 | 94 | 69           | 36.6           | 44.0          | 49.5                       | 8       |
| 17              | 59.4                                           | 61.0 | 62.1 | 60.8         | 16.5                               | 19.1 | 15.7 | 17.1         | 19.4       | 14.2       | 11.14                                        | 10.58 | 9.59  | 10.44        | 79                                    | 64 | 72 | 72           | 35.4           | 44.6          | 52.0                       | 8       |
| 18              | 62.3                                           | 61.9 | 62.3 | 62.2         | 15.8                               | 19.9 | 15.3 | 17.0         | 20.6       | 12.6       | 10.73                                        | 10.24 | 10.49 | 10.49        | 80                                    | 59 | 81 | 73           | 36.0           | 45.0          | 54.0                       | 10      |
| 19              | 63.4                                           | 63.3 | 64.6 | 63.8         | 16.2                               | 21.7 | 16.7 | 18.2         | 22.3       | 13.1       | 10.77                                        | 9.25  | 11.03 | 10.35        | 78                                    | 47 | 78 | 68           | 23.3           | 26.4          | 52.7                       | 12      |
| 20              | 64.6                                           | 64.7 | 65.4 | 64.9         | 18.3                               | 20.9 | 16.7 | 18.6         | 21.8       | 15.0       | 10.64                                        | 9.51  | 10.47 | 10.21        | 68                                    | 51 | 74 | 64           | 36.8           | 46.0          | 52.0                       | 11      |
| 2 inci<br>onluk | 61.0                                           | 60.8 | 61.1 | 61.0         | 18.7                               | 23.1 | 17.7 | 19.9         | 24.1       | 14.6       | 11.34                                        | 10.15 | 11.42 | 10.97        | 71                                    | 49 | 76 | 65           | 37.3           | 45.2          | 53.6                       | 116     |
| 21              | 65.6                                           | 65.7 | 66.8 | 66.0         | 19.2                               | 22.3 | 16.2 | 19.2         | 22.8       | 14.8       | 10.52                                        | 11.46 | 13.01 | 11.66        | 63                                    | 57 | 95 | 72           | 38.0           | 47.0          | 52.5                       | 13      |
| 22              | 67.0                                           | 66.2 | 66.2 | 66.5         | 17.8                               | 24.1 | 17.4 | 19.8         | 24.8       | 15.0       | 13.68                                        | 11.46 | 11.45 | 12.20        | 90                                    | 51 | 77 | 73           | 39.6           | 48.8          | 52.0                       | 13      |
| 23              | 65.2                                           | 63.2 | 62.1 | 63.5         | 19.9                               | 25.1 | 18.9 | 21.3         | 26.8       | 16.8       | 14.25                                        | 11.02 | 13.47 | 12.91        | 82                                    | 46 | 83 | 70           | 40.8           | 50.0          | 54.5                       | 12      |
| 24              | 60.2                                           | 59.8 | 60.1 | 60.0         | 20.2                               | 25.7 | 20.3 | 22.1         | 27.0       | 15.8       | 14.24                                        | 11.92 | 11.16 | 12.44        | 80                                    | 49 | 63 | 64           | 41.4           | 50.6          | 53.2                       | 13      |
| 25              | 61.4                                           | 61.6 | 62.0 | 61.7         | 18.8                               | 23.3 | 19.7 | 20.6         | 26.0       | 16.2       | 13.83                                        | 15.29 | 15.16 | 14.76        | 87                                    | 72 | 89 | 83           | 39.0           | 48.0          | 51.0                       | 12      |
| 26              | 61.7                                           | 61.1 | 60.7 | 61.2         | 21.3                               | 25.7 | 19.7 | 22.2         | 26.0       | 17.6       | 15.48                                        | 13.37 | 15.16 | 14.67        | 82                                    | 54 | 89 | 75           | 40.6           | 49.4          | 52.8                       | 12      |
| 27              | 60.2                                           | 59.6 | 59.6 | 59.8         | 21.1                               | 25.9 | 18.9 | 22.0         | 26.8       | 17.8       | 15.28                                        | 10.70 | 14.08 | 13.35        | 82                                    | 42 | 87 | 70           | 41.2           | 50.2          | 54.0                       | 12      |
| 28              | 59.6                                           | 58.3 | 59.0 | 59.0         | 19.7                               | 26.6 | 19.9 | 22.1         | 26.8       | 17.2       | 15.16                                        | 14.17 | 16.00 | 15.11        | 89                                    | 54 | 92 | 78           | 41.6           | 50.6          | 53.0                       | 12      |
| 29              | 58.6                                           | 57.9 | 58.1 | 58.2         | 21.5                               | 24.8 | 21.1 | 22.5         | 26.5       | 18.4       | 17.19                                        | 15.91 | 16.92 | 16.67        | 90                                    | 68 | 91 | 83           | 40.4           | 49.4          | 52.4                       | 12      |
| 30              | 57.4                                           | 56.8 | 56.9 | 57.0         | 22.1                               | 27.3 | 21.6 | 23.7         | 28.8       | 19.8       | 16.83                                        | 17.06 | 16.62 | 16.84        | 85                                    | 63 | 87 | 78           | 42.6           | 54.8          | 55.4                       | 12      |
| 3 üncü<br>onluk | 61.7                                           | 61.0 | 61.2 | 61.3         | 20.2                               | 25.1 | 19.4 | 21.6         | 26.2       | 16.9       | 14.65                                        | 13.24 | 14.30 | 14.06        | 83                                    | 56 | 85 | 75           | 40.5           | 49.9          | 53.1                       | 127     |
| Yoktür          |                                                |      |      |              |                                    |      |      |              |            |            |                                              |       |       |              |                                       |    |    |              |                |               |                            |         |
| Aylık<br>Vasatı | 62.1                                           | 61.7 | 61.9 | 61.9         | 19.0                               | 23.7 | 18.0 | 20.2         | 24.6       | 15.3       | 12.72                                        | 11.28 | 12.64 | 12.21        | 77                                    | 52 | 82 | 70           | 38.7           | 47.3          | 53.0                       | 366     |

in 1938

| Tarih —<br>Date         | Rüzgâr — Vent                     |    |    |    |    |    |    |    |              |    |    |    |    |    |    |    |                               | Sehâp—Nuage | Yâğmur<br>mm.<br>Plu e | Kar<br>cm.<br>Neige | Mülâhazat |       |
|-------------------------|-----------------------------------|----|----|----|----|----|----|----|--------------|----|----|----|----|----|----|----|-------------------------------|-------------|------------------------|---------------------|-----------|-------|
|                         | Tekerrür — Nombre de<br>fréquence |    |    |    |    |    |    |    | Tekessür [*] |    |    |    |    |    |    |    | Sûrat<br>m<br>Vitesse<br>m/s. |             |                        |                     |           |       |
|                         | N                                 | NE | E  | SE | S  | SW | W  | NW | N            | NE | E  | SE | S  | SW | W  | NW |                               |             |                        |                     |           | Sakin |
|                         |                                   |    |    |    |    |    |    |    |              |    |    |    |    |    |    |    |                               |             |                        |                     |           |       |
| 1                       | 3                                 | 2  | 1  | 1  | —  | —  | —  | 2  | 37           | 5  | 17 | 11 | —  | —  | —  | 27 | 3                             | 6.5         | 2.7                    | —                   |           |       |
| 2                       | 4                                 | 3  | 3  | 1  | 2  | 1  | 1  | 2  | 34           | 8  | 29 | 3  | 2  | 1  | 4  | 13 | 6                             | 3.8         | 0.0                    | —                   |           |       |
| 3                       | 6                                 | 4  | 2  | —  | —  | —  | —  | 2  | 46           | 32 | 2  | —  | —  | —  | —  | 19 | 1                             | 3.6         | 0.0                    | —                   |           |       |
| 4                       | 5                                 | 1  | —  | —  | —  | —  | —  | 2  | 85           | 9  | —  | —  | —  | —  | —  | 6  | —                             | 4.5         | 0.3                    | —                   |           |       |
| 5                       | 3                                 | 3  | —  | —  | —  | —  | —  | 1  | 50           | 44 | —  | —  | —  | —  | —  | 6  | —                             | 4.9         | 0.0                    | —                   |           |       |
| 6                       | 4                                 | 3  | —  | —  | —  | —  | —  | —  | 52           | 48 | —  | —  | —  | —  | —  | —  | —                             | 5.2         | 1.7                    | —                   |           |       |
| 7                       | 2                                 | 1  | —  | —  | —  | —  | —  | 1  | 84           | 11 | —  | —  | —  | —  | —  | 5  | —                             | 4.2         | 1.7                    | —                   |           |       |
| 8                       | 5                                 | 1  | —  | —  | —  | —  | 2  | 2  | 34           | 42 | —  | —  | —  | —  | 4  | 5  | 15                            | 4.5         | 1.0                    | —                   |           |       |
| 9                       | 5                                 | 1  | —  | —  | —  | —  | 2  | 1  | 51           | 44 | —  | —  | —  | —  | 3  | 2  | —                             | 5.4         | 4.0                    | —                   |           |       |
| 10                      | 1                                 | 3  | 1  | —  | —  | —  | —  | —  | 8            | 91 | 1  | —  | —  | —  | —  | —  | —                             | 6.7         | 3.3                    | —                   |           |       |
| inci<br>luk             | 38                                | 22 | 7  | 2  | 2  | 1  | 5  | 13 | 48           | 34 | 5  | 1  | —  | —  | 1  | 8  | 3                             | 4.9         | 1.5                    | —                   |           |       |
| 11                      | 1                                 | 2  | —  | —  | —  | —  | —  | —  | 2            | 97 | —  | —  | —  | —  | —  | —  | 1                             | 7.3         | 1.7                    | —                   |           |       |
| 12                      | 3                                 | 3  | 2  | —  | —  | 1  | 1  | —  | 41           | 13 | 4  | —  | —  | 7  | 2  | —  | 33                            | 4.0         | 0.7                    | —                   |           |       |
| 13                      | 2                                 | 3  | 3  | 1  | —  | 2  | 1  | 1  | 25           | 13 | 16 | 12 | —  | 11 | 1  | 1  | 21                            | 2.7         | 0.3                    | —                   |           |       |
| 14                      | 1                                 | 3  | 2  | —  | 2  | —  | —  | —  | 12           | 13 | 21 | —  | 15 | —  | —  | —  | 39                            | 2.6         | 0.0                    | —                   |           |       |
| 15                      | 2                                 | —  | 1  | 1  | 5  | 4  | 2  | 1  | 17           | —  | 5  | 10 | 13 | 29 | 5  | 2  | 19                            | 1.1         | 0.0                    | —                   |           |       |
| 16                      | 5                                 | 1  | —  | 1  | 1  | 1  | 2  | 2  | 40           | 4  | —  | 1  | 3  | 15 | 10 | 27 | —                             | 4.6         | 3.0                    | 28.0                |           |       |
| 17                      | 5                                 | 3  | —  | —  | —  | —  | 1  | —  | 51           | 35 | —  | —  | —  | —  | 1  | —  | 13                            | 6.9         | 5.7                    | —                   |           |       |
| 18                      | 3                                 | 3  | 1  | —  | —  | —  | —  | —  | 52           | 40 | 4  | —  | —  | —  | —  | —  | 4                             | 3.2         | 3.0                    | —                   |           |       |
| 19                      | 2                                 | 2  | —  | —  | —  | —  | —  | —  | 23           | 77 | —  | —  | —  | —  | —  | —  | —                             | 4.4         | 2.0                    | —                   |           |       |
| 20                      | —                                 | 1  | —  | —  | —  | —  | —  | —  | 100          | —  | —  | —  | —  | —  | —  | —  | —                             | 6.2         | 2.7                    | —                   |           |       |
| inci<br>luk             | 24                                | 21 | 9  | 3  | 8  | 8  | 7  | 4  | 26           | 39 | 5  | 2  | 3  | 6  | 2  | 3  | 13                            | 4.3         | 1.9                    | 28.0                |           |       |
| 21                      | 4                                 | 5  | —  | —  | —  | —  | —  | —  | 43           | 46 | —  | —  | —  | —  | —  | —  | 11                            | 4.3         | 1.3                    | —                   |           |       |
| 22                      | 3                                 | 3  | 1  | —  | —  | —  | —  | —  | 52           | 45 | 2  | —  | —  | —  | —  | —  | 1                             | 3.3         | 0.3                    | —                   |           |       |
| 23                      | 2                                 | 6  | 4  | —  | —  | —  | —  | —  | 23           | 67 | 7  | —  | —  | —  | —  | —  | 3                             | 3.9         | 0.7                    | —                   |           |       |
| 24                      | 2                                 | 5  | 4  | —  | —  | —  | —  | —  | 42           | 35 | 23 | —  | —  | —  | —  | —  | —                             | 3.5         | 0.0                    | —                   |           |       |
| 25                      | 6                                 | 5  | —  | —  | —  | —  | —  | —  | 63           | 37 | —  | —  | —  | —  | —  | —  | —                             | 5.5         | 0.0                    | —                   |           |       |
| 26                      | 4                                 | 4  | —  | —  | —  | —  | —  | —  | 33           | 67 | —  | —  | —  | —  | —  | —  | —                             | 4.7         | 0.1                    | —                   |           |       |
| 27                      | 2                                 | 4  | 1  | —  | —  | —  | —  | —  | 19           | 78 | 2  | —  | —  | —  | —  | —  | 1                             | 4.1         | 0.0                    | —                   |           |       |
| 28                      | 5                                 | 3  | —  | —  | —  | —  | —  | 1  | 53           | 41 | —  | —  | —  | —  | —  | 6  | —                             | 3.8         | 0.0                    | —                   |           |       |
| 29                      | 3                                 | 1  | —  | —  | —  | —  | —  | 2  | 42           | 52 | —  | —  | —  | —  | —  | 6  | —                             | 5.3         | 1.7                    | —                   |           |       |
| 30                      | 2                                 | 1  | —  | —  | —  | —  | —  | —  | 37           | 63 | —  | —  | —  | —  | —  | —  | —                             | 4.3         | 1.7                    | —                   |           |       |
| inci<br>luk             | 33                                | 37 | 10 | —  | —  | —  | —  | 3  | 41           | 53 | 3  | —  | —  | —  | —  | 1  | 2                             | 4.3         | 0.6                    | —                   |           |       |
| ekün<br>günlük<br>asatı | 95                                | 80 | 26 | 5  | 10 | 9  | 12 | 20 |              |    |    |    |    |    |    |    |                               |             |                        | 28.0                |           |       |
|                         |                                   |    |    |    |    |    |    |    | 38           | 42 | 5  | 1  | 1  | 2  | 1  | 4  | 6                             | 4.5         | 1.3                    |                     |           |       |

[\*] Bir gün zarfında her hangi bir cihetten esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi. —  
Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

## SAAT — HEURE

| Gün<br>Jour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Vasati<br>Moyen |
|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|
|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|

|                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1               | 60.5  | 60.5  | 60.4  | 60.4  | 60.4  | 60.6  | 61.1  | 61.4  | 61.7  | 62.2  | 62.2  | 62.4  | 62.3  | 61.9  | 61.7  | 61.0  | 60.8  | 60.5  | 60.1  | 60.1  | 60.3  | 60.3  | 60.8  | 61.0  | 61.0 |
| 2               | 61.1  | 61.0  | 60.9  | 60.7  | 60.6  | 60.8  | 61.0  | 61.2  | 61.7  | 62.1  | 62.5  | 62.6  | 62.6  | 62.6  | 62.9  | 63.2  | 63.5  | 63.4  | 63.4  | 63.6  | 63.9  | 63.9  | 63.9  | 63.8  | 62.4 |
| 3               | 63.6  | 63.6  | 63.6  | 63.5  | 63.5  | 63.6  | 63.8  | 63.8  | 63.9  | 63.6  | 63.4  | 63.1  | 62.6  | 62.6  | 62.9  | 63.2  | 61.2  | 61.0  | 61.0  | 61.0  | 60.8  | 60.7  | 60.4  | 60.4  | 62.4 |
| 4               | 60.2  | 59.8  | 59.7  | 59.5  | 59.6  | 59.6  | 59.7  | 59.8  | 59.9  | 60.3  | 60.3  | 60.2  | 59.9  | 59.6  | 59.3  | 59.3  | 59.4  | 59.5  | 60.1  | 60.7  | 61.2  | 62.0  | 62.5  | 63.0  | 60.2 |
| 5               | 64.0  | 64.0  | 64.0  | 63.8  | 63.9  | 64.5  | 64.9  | 65.7  | 65.9  | 66.1  | 66.1  | 66.1  | 66.1  | 65.6  | 65.2  | 65.0  | 64.8  | 64.7  | 64.2  | 64.2  | 64.3  | 64.1  | 64.0  | 63.5  | 64.8 |
| 6               | 63.3  | 62.6  | 62.3  | 61.9  | 61.3  | 61.1  | 60.9  | 60.9  | 60.4  | 60.3  | 60.2  | 59.9  | 59.4  | 59.0  | 59.0  | 59.1  | 59.2  | 59.4  | 59.7  | 60.6  | 60.8  | 61.0  | 61.3  | 61.6  | 60.6 |
| 7               | 62.0  | 62.1  | 62.1  | 62.2  | 62.3  | 62.7  | 62.9  | 62.9  | 62.9  | 63.2  | 63.1  | 62.8  | 62.0  | 61.6  | 61.4  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.2  | 61.2  | 60.9  | 60.8  | 62.0 |
| 8               | 60.8  | 60.4  | 60.3  | 60.0  | 59.8  | 59.6  | 59.6  | 59.6  | 59.6  | 59.6  | 59.0  | 58.2  | 58.0  | 57.6  | 57.2  | 56.9  | 56.9  | 56.7  | 56.3  | 56.3  | 56.4  | 56.4  | 56.4  | 56.2  | 58.2 |
| 9               | 56.2  | 55.8  | 55.4  | 55.2  | 55.2  | 55.2  | 55.2  | 55.3  | 55.5  | 55.8  | 55.7  | 55.4  | 55.2  | 54.9  | 54.4  | 54.2  | 54.9  | 55.2  | 56.0  | 56.6  | 56.6  | 57.4  | 58.2  | 55.6  |      |
| 10              | 58.5  | 59.3  | 59.8  | 60.5  | 60.9  | 61.8  | 62.5  | 62.9  | 63.4  | 64.0  | 64.4  | 64.5  | 65.1  | 65.2  | 65.4  | 65.4  | 65.8  | 66.0  | 66.1  | 66.4  | 66.6  | 66.7  | 66.5  | 66.3  | 63.9 |
| 1 inci<br>onluk | 610.2 | 609.1 | 608.5 | 607.7 | 607.5 | 609.5 | 611.6 | 613.5 | 614.9 | 617.2 | 616.9 | 615.2 | 613.2 | 610.3 | 608.5 | 606.8 | 607.5 | 607.4 | 607.4 | 610.2 | 612.1 | 612.9 | 614.1 | 614.8 | 61.1 |
| 11              | 65.7  | 65.4  | 65.2  | 64.6  | 64.6  | 64.6  | 64.6  | 64.4  | 63.9  | 63.9  | 63.9  | 63.9  | 63.9  | 64.0  | 63.9  | 63.9  | 64.0  | 64.1  | 64.8  | 65.0  | 65.1  | 65.0  | 65.1  | 65.3  | 64.5 |
| 12              | 65.6  | 65.7  | 65.3  | 64.9  | 64.4  | 64.3  | 64.3  | 64.1  | 64.1  | 64.0  | 63.5  | 63.3  | 63.2  | 62.6  | 62.1  | 61.2  | 61.0  | 61.0  | 60.9  | 60.9  | 60.1  | 59.2  | 59.0  | 58.5  | 62.6 |
| 13              | 57.9  | 57.1  | 56.5  | 55.5  | 55.0  | 54.5  | 54.3  | 54.5  | 54.5  | 54.5  | 54.4  | 54.2  | 54.0  | 53.9  | 53.8  | 53.6  | 53.5  | 53.5  | 53.5  | 54.0  | 54.2  | 54.4  | 54.5  | 54.5  | 54.6 |
| 14              | 51.5  | 54.3  | 54.0  | 53.9  | 54.0  | 54.5  | 54.8  | 55.0  | 55.4  | 55.5  | 55.6  | 55.6  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 56.0  | 56.4  | 56.6  | 57.0  | 57.3  | 57.3  | 55.5  |      |
| 15              | 57.3  | 57.3  | 57.4  | 57.4  | 57.4  | 57.8  | 58.2  | 58.5  | 59.0  | 59.0  | 59.0  | 58.6  | 58.0  | 57.7  | 57.6  | 57.7  | 57.9  | 58.1  | 58.3  | 58.8  | 59.3  | 59.3  | 59.4  | 59.4  | 58.3 |
| 16              | 59.4  | 59.1  | 58.9  | 58.7  | 58.7  | 58.8  | 59.0  | 59.0  | 59.1  | 59.2  | 59.0  | 58.7  | 58.6  | 58.5  | 58.3  | 57.7  | 57.6  | 57.6  | 57.4  | 57.1  | 57.2  | 56.9  | 56.5  | 56.1  | 58.2 |
| 17              | 55.7  | 55.2  | 54.7  | 54.6  | 54.5  | 54.4  | 54.3  | 54.4  | 54.5  | 54.8  | 55.0  | 55.0  | 55.2  | 55.3  | 55.5  | 55.7  | 56.0  | 56.4  | 56.8  | 57.3  | 57.7  | 57.7  | 58.0  | 58.1  | 55.7 |
| 18              | 58.2  | 58.3  | 58.6  | 58.8  | 59.0  | 59.4  | 60.1  | 60.6  | 61.4  | 61.5  | 61.7  | 61.5  | 61.6  | 61.6  | 61.4  | 61.4  | 61.3  | 61.6  | 61.7  | 61.8  | 61.8  | 61.6  | 61.4  | 60.7  |      |
| 19              | 61.4  | 61.2  | 61.1  | 60.7  | 60.6  | 60.9  | 61.3  | 61.2  | 61.3  | 61.4  | 61.5  | 61.1  | 60.9  | 60.8  | 60.8  | 61.0  | 61.1  | 61.1  | 61.2  | 61.8  | 62.0  | 62.1  | 62.0  | 61.3  |      |
| 20              | 61.7  | 61.2  | 61.1  | 60.9  | 60.8  | 60.8  | 60.7  | 60.3  | 59.7  | 59.7  | 59.8  | 59.8  | 59.3  | 58.4  | 57.8  | 57.6  | 57.8  | 57.9  | 57.9  | 58.0  | 58.5  | 58.1  | 58.8  | 58.9  | 59.4 |
| 2 inci<br>onluk | 597.4 | 595.1 | 592.8 | 590.0 | 589.0 | 590.0 | 591.6 | 592.0 | 592.9 | 593.5 | 593.4 | 591.7 | 590.4 | 588.5 | 586.9 | 585.5 | 586.1 | 586.7 | 588.4 | 591.0 | 592.5 | 591.5 | 592.3 | 591.5 | 59.1 |
| 21              | 58.9  | 58.6  | 58.6  | 58.7  | 58.9  | 59.3  | 60.2  | 60.1  | 59.9  | 60.0  | 60.5  | 59.9  | 59.7  | 59.5  | 59.1  | 59.2  | 59.8  | 59.5  | 59.7  | 60.2  | 60.6  | 61.0  | 61.2  | 61.5  | 59.8 |
| 22              | 62.0  | 62.2  | 62.0  | 62.2  | 62.2  | 62.4  | 62.8  | 62.7  | 62.8  | 62.5  | 62.7  | 62.6  | 62.3  | 62.1  | 62.0  | 61.6  | 61.6  | 61.6  | 61.7  | 61.8  | 61.7  | 61.6  | 61.5  | 61.5  | 62.1 |
| 23              | 61.1  | 61.3  | 61.3  | 61.4  | 61.6  | 62.0  | 62.3  | 62.3  | 62.5  | 62.6  | 62.5  | 62.5  | 62.3  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 61.8  | 61.6  | 61.3  | 62.0 |
| 24              | 61.2  | 61.0  | 60.8  | 60.6  | 60.6  | 60.8  | 61.1  | 61.2  | 61.2  | 61.2  | 61.0  | 60.9  | 60.8  | 60.8  | 60.8  | 60.9  | 61.0  | 61.5  | 62.0  | 62.4  | 62.8  | 62.8  | 62.9  | 62.9  | 61.4 |
| 25              | 62.9  | 62.8  | 62.6  | 62.6  | 62.6  | 62.5  | 62.7  | 62.8  | 62.6  | 62.4  | 62.0  | 61.1  | 60.8  | 60.2  | 59.9  | 59.8  | 59.2  | 59.1  | 59.1  | 59.2  | 59.2  | 59.2  | 58.3  | 58.5  | 60.9 |
| 26              | 58.7  | 58.4  | 58.4  | 58.2  | 57.8  | 58.1  | 58.2  | 58.2  | 58.2  | 58.2  | 57.8  | 57.8  | 57.9  | 57.9  | 57.9  | 57.8  | 57.9  | 58.0  | 58.2  | 58.1  | 58.7  | 58.4  | 58.0  | 57.8  | 58.1 |
| 27              | 57.6  | 57.5  | 57.1  | 56.7  | 56.7  | 57.0  | 57.5  | 57.6  | 57.6  | 57.7  | 57.9  | 58.0  | 58.1  | 58.1  | 58.1  | 58.1  | 58.2  | 58.4  | 58.6  | 58.9  | 59.0  | 58.9  | 58.9  | 59.2  | 58.0 |
| 28              | 59.4  | 58.9  | 59.0  | 59.2  | 59.5  | 59.7  | 60.4  | 60.5  | 60.6  | 60.8  | 61.0  | 61.2  | 61.3  | 61.3  | 61.4  | 61.5  | 61.7  | 61.8  | 62.0  | 62.4  | 62.8  | 62.8  | 62.8  | 62.8  | 61.0 |
| 29              | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 63.0  | 63.6  | 64.0  | 63.8  | 63.5  | 63.0  | 62.8  | 62.4  | 62.0  | 62.0  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.0  | 61.9  | 61.7  | 61.4  | 62.6 |
| 30              | 60.9  | 60.8  | 60.7  | 60.2  | 60.1  | 60.1  | 60.0  | 60.1  | 60.0  | 59.7  | 59.6  | 59.4  | 58.5  | 58.5  | 58.5  | 58.2  | 57.7  | 57.6  | 57.1  | 57.0  | 57.1  | 57.0  | 56.7  | 56.5  | 58.8 |
| 3 inci<br>onluk | 605.9 | 604.4 | 603.4 | 602.7 | 602.9 | 604.9 | 608.8 | 609.1 | 609.4 | 608.9 | 608.5 | 606.4 | 604.5 | 603.0 | 601.9 | 601.3 | 601.4 | 601.8 | 602.5 | 604.2 | 605.8 | 605.2 | 603.3 | 603.1 | 60.5 |

## SAAT — HEURE

Vasatı  
MoyenGün  
Jour

|                | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |      |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1              | 56.3  | 56.0  | 54.6  | 54.6  | 53.8  | 53.8  | 53.6  | 53.6  | 53.1  | 53.1  | 53.1  | 52.9  | 52.7  | 52.1  | 51.6  | 51.3  | 51.0  | 50.9  | 51.0  | 51.5  | 52.2  | 52.1  | 52.0  | 51.8  | 52.9 |
| 2              | 51.6  | 51.8  | 51.4  | 51.1  | 51.1  | 51.1  | 51.0  | 51.1  | 51.5  | 51.8  | 51.6  | 51.2  | 50.8  | 50.5  | 50.3  | 50.2  | 50.2  | 50.1  | 50.2  | 50.6  | 51.2  | 51.2  | 51.2  | 51.0  | 51.0 |
| 3              | 50.9  | 50.9  | 50.8  | 50.7  | 50.9  | 51.4  | 51.9  | 52.2  | 52.5  | 52.6  | 53.0  | 53.1  | 53.0  | 53.1  | 53.1  | 53.2  | 53.1  | 53.1  | 53.4  | 53.6  | 54.0  | 53.9  | 54.0  | 54.1  | 52.6 |
| 4              | 53.9  | 53.7  | 53.7  | 53.6  | 53.6  | 53.7  | 54.1  | 54.5  | 54.7  | 55.2  | 55.6  | 55.9  | 56.4  | 56.6  | 56.7  | 57.0  | 57.4  | 57.6  | 58.0  | 58.4  | 58.9  | 58.9  | 58.8  | 59.5  | 56.1 |
| 5              | 59.2  | 59.3  | 59.5  | 59.6  | 59.7  | 60.2  | 60.4  | 60.5  | 60.6  | 60.7  | 60.3  | 60.0  | 59.8  | 59.5  | 59.4  | 59.5  | 59.4  | 59.3  | 59.4  | 59.2  | 59.4  | 59.7  | 60.7  | 61.3  | 59.8 |
| 6              | 61.8  | 62.3  | 62.8  | 63.3  | 63.9  | 64.3  | 65.0  | 65.3  | 65.6  | 66.0  | 66.1  | 66.2  | 66.2  | 66.0  | 65.5  | 65.4  | 65.4  | 65.2  | 65.3  | 65.4  | 65.6  | 65.8  | 65.6  | 65.5  | 65.0 |
| 7              | 65.2  | 65.1  | 65.0  | 65.0  | 65.1  | 65.2  | 65.3  | 65.3  | 65.1  | 65.0  | 64.8  | 64.5  | 64.2  | 64.0  | 63.7  | 63.5  | 63.4  | 63.3  | 63.2  | 63.0  | 63.2  | 63.4  | 63.2  | 63.0  | 64.2 |
| 8              | 62.7  | 62.3  | 62.0  | 61.7  | 61.5  | 61.6  | 61.5  | 61.4  | 61.2  | 60.9  | 60.7  | 60.7  | 60.6  | 60.1  | 59.6  | 59.2  | 58.9  | 58.7  | 58.6  | 59.2  | 59.8  | 60.0  | 60.0  | 60.6  | 60.5 |
| 9              | 60.7  | 61.1  | 61.6  | 61.9  | 62.3  | 63.1  | 63.8  | 64.0  | 64.3  | 64.9  | 65.3  | 65.5  | 65.3  | 65.3  | 65.5  | 65.6  | 65.9  | 66.1  | 66.6  | 67.0  | 67.2  | 67.0  | 67.0  | 67.2  | 64.8 |
| 10             | 67.1  | 67.1  | 66.8  | 66.7  | 66.5  | 67.0  | 67.1  | 66.9  | 66.2  | 66.1  | 65.8  | 65.8  | 65.4  | 65.0  | 64.5  | 64.0  | 63.8  | 64.1  | 64.7  | 65.0  | 65.6  | 65.6  | 65.3  | 64.7  | 65.7 |
| 1inci<br>onluk | 589.4 | 589.6 | 588.2 | 588.2 | 588.4 | 591.4 | 593.8 | 594.9 | 595.5 | 596.6 | 596.5 | 595.8 | 593.9 | 591.7 | 589.5 | 588.5 | 588.1 | 588.4 | 590.4 | 592.9 | 597.1 | 597.6 | 597.8 | 598.7 | 59.3 |
| 11             | 64.1  | 64.0  | 63.9  | 62.7  | 62.4  | 62.6  | 62.4  | 62.1  | 62.0  | 61.8  | 62.0  | 61.5  | 60.8  | 60.1  | 59.2  | 58.5  | 58.1  | 57.6  | 57.5  | 57.5  | 58.5  | 58.7  | 59.3  | 59.4  | 60.7 |
| 12             | 59.3  | 59.2  | 59.1  | 59.0  | 59.0  | 59.3  | 59.7  | 60.2  | 60.3  | 60.4  | 61.0  | 61.1  | 61.0  | 60.9  | 61.0  | 61.1  | 61.3  | 61.3  | 62.1  | 62.6  | 63.1  | 63.3  | 63.3  | 63.4  | 60.9 |
| 13             | 63.4  | 63.4  | 63.5  | 63.5  | 63.8  | 64.3  | 64.8  | 65.0  | 65.1  | 65.2  | 65.3  | 65.4  | 65.2  | 65.0  | 65.4  | 65.5  | 65.4  | 65.3  | 65.4  | 65.6  | 65.5  | 65.5  | 65.4  | 65.4  | 64.9 |
| 14             | 65.2  | 64.9  | 64.8  | 64.6  | 64.5  | 64.5  | 64.7  | 64.7  | 64.8  | 64.8  | 64.7  | 64.3  | 64.2  | 64.2  | 64.1  | 64.0  | 64.0  | 64.0  | 64.0  | 64.1  | 64.3  | 64.3  | 64.2  | 64.2  | 64.4 |
| 15             | 63.9  | 63.6  | 63.5  | 63.5  | 63.4  | 63.5  | 63.7  | 63.9  | 64.1  | 64.3  | 64.3  | 64.4  | 64.3  | 64.2  | 64.1  | 64.0  | 64.0  | 63.9  | 63.9  | 64.3  | 64.6  | 64.7  | 64.7  | 64.6  | 64.1 |
| 16             | 64.5  | 64.4  | 64.5  | 64.6  | 64.6  | 64.9  | 65.2  | 65.5  | 65.6  | 65.7  | 65.7  | 65.5  | 65.2  | 65.0  | 64.9  | 64.8  | 64.6  | 64.5  | 64.6  | 64.8  | 65.2  | 65.3  | 65.5  | 65.5  | 65.0 |
| 17             | 65.5  | 65.3  | 65.1  | 65.0  | 65.0  | 65.2  | 65.4  | 65.4  | 65.5  | 65.6  | 65.7  | 65.4  | 65.0  | 64.5  | 64.2  | 64.0  | 63.6  | 63.6  | 63.6  | 63.5  | 63.8  | 63.9  | 64.0  | 64.0  | 64.7 |
| 18             | 63.7  | 63.5  | 63.4  | 63.2  | 63.1  | 63.1  | 63.3  | 63.5  | 63.5  | 63.5  | 63.2  | 63.2  | 62.5  | 62.1  | 61.6  | 61.5  | 61.5  | 61.3  | 61.2  | 61.7  | 61.8  | 61.9  | 61.9  | 61.9  | 62.5 |
| 19             | 61.8  | 61.8  | 61.4  | 61.7  | 61.9  | 62.1  | 62.7  | 62.9  | 63.0  | 63.1  | 63.2  | 63.2  | 62.6  | 62.1  | 61.9  | 61.6  | 61.5  | 61.3  | 61.5  | 61.7  | 62.2  | 62.2  | 62.1  | 62.1  | 62.2 |
| 20             | 62.0  | 62.0  | 62.0  | 61.9  | 62.0  | 62.1  | 62.2  | 62.3  | 62.3  | 62.4  | 62.2  | 61.9  | 61.4  | 60.9  | 60.6  | 60.6  | 60.6  | 60.5  | 60.5  | 60.7  | 60.9  | 61.0  | 60.8  | 60.5  | 61.4 |
| 2inci<br>onluk | 633.4 | 632.1 | 631.5 | 629.6 | 629.6 | 631.6 | 634.1 | 635.5 | 636.2 | 636.8 | 637.3 | 635.7 | 632.2 | 629.0 | 627.0 | 625.6 | 624.5 | 623.3 | 624.3 | 626.2 | 629.9 | 630.8 | 631.2 | 631.0 | 63.1 |
| 21             | 60.5  | 60.4  | 60.3  | 60.2  | 60.3  | 60.4  | 60.5  | 60.5  | 60.5  | 60.6  | 60.6  | 60.1  | 59.9  | 59.8  | 59.5  | 59.4  | 59.4  | 59.2  | 59.1  | 59.6  | 60.3  | 60.3  | 60.7  | 60.1  | 60.1 |
| 22             | 59.8  | 59.7  | 60.0  | 60.0  | 60.3  | 60.5  | 60.5  | 60.5  | 60.9  | 60.8  | 60.5  | 60.2  | 60.1  | 59.9  | 59.6  | 59.4  | 59.3  | 59.5  | 59.7  | 60.1  | 60.6  | 60.8  | 60.9  | 60.9  | 60.2 |
| 23             | 61.0  | 61.0  | 61.1  | 61.3  | 61.7  | 61.8  | 61.8  | 62.0  | 62.0  | 62.0  | 61.8  | 61.4  | 61.0  | 60.8  | 60.2  | 59.8  | 59.5  | 59.3  | 59.3  | 59.2  | 59.2  | 58.9  | 58.9  | 58.4  | 60.6 |
| 24             | 57.5  | 57.5  | 56.6  | 56.2  | 56.0  | 55.7  | 55.6  | 55.4  | 55.2  | 54.8  | 54.4  | 54.2  | 53.6  | 53.1  | 52.6  | 52.3  | 52.1  | 52.0  | 52.1  | 52.4  | 52.4  | 52.7  | 53.3  | 53.2  | 54.2 |
| 25             | 53.2  | 53.1  | 52.9  | 52.6  | 52.8  | 53.2  | 53.5  | 53.9  | 54.0  | 54.1  | 54.1  | 54.1  | 53.7  | 53.7  | 53.7  | 53.6  | 53.6  | 53.5  | 53.8  | 54.1  | 54.5  | 54.8  | 54.9  | 55.0  | 53.8 |
| 26             | 55.0  | 55.0  | 55.0  | 55.1  | 55.1  | 55.2  | 55.5  | 56.0  | 56.1  | 56.5  | 56.9  | 57.2  | 56.9  | 56.8  | 56.8  | 56.9  | 57.0  | 57.2  | 57.3  | 57.7  | 58.4  | 58.7  | 58.9  | 59.0  | 56.7 |
| 27             | 59.1  | 59.2  | 59.3  | 59.5  | 59.6  | 59.8  | 60.3  | 60.5  | 60.7  | 61.0  | 61.2  | 61.0  | 60.7  | 60.4  | 60.3  | 60.2  | 60.0  | 60.3  | 60.6  | 60.9  | 61.3  | 61.4  | 61.5  | 61.4  | 60.4 |
| 28             | 61.3  | 61.3  | 61.2  | 61.4  | 61.5  | 61.7  | 62.0  | 62.2  | 62.2  | 62.2  | 62.3  | 62.3  | 62.0  | 61.8  | 61.7  | 61.6  | 61.5  | 61.4  | 61.5  | 61.6  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7 |
| 29             | 61.6  | 61.6  | 61.3  | 61.2  | 61.1  | 61.2  | 61.3  | 61.4  | 61.4  | 61.4  | 61.2  | 61.2  | 61.0  | 60.8  | 60.2  | 59.9  | 59.8  | 59.7  | 59.9  | 60.2  | 60.2  | 60.3  | 60.4  | 60.0  | 60.8 |
| 30             | 60.1  | 60.2  | 60.1  | 60.5  | 60.6  | 60.5  | 60.7  | 61.0  | 61.2  | 61.5  | 61.8  | 61.8  | 61.8  | 61.7  | 61.6  | 61.4  | 61.4  | 61.8  | 61.9  | 62.0  | 62.3  | 62.5  | 62.4  | 62.4  | 61.4 |
| 31             | 62.2  | 62.2  | 62.1  | 62.2  | 62.3  | 62.3  | 62.4  | 62.5  | 62.2  | 62.1  | 62.0  | 61.8  | 61.5  | 61.3  | 61.3  | 61.0  | 60.9  | 60.9  | 61.1  | 61.4  | 61.6  | 61.8  | 61.9  | 62.2  | 61.8 |
| 3inci<br>onluk | 651.3 | 651.0 | 650.9 | 649.2 | 651.3 | 652.3 | 654.1 | 655.8 | 656.4 | 657.0 | 656.9 | 655.3 | 652.2 | 649.8 | 647.5 | 645.5 | 644.5 | 644.8 | 646.3 | 649.3 | 652.5 | 653.9 | 655.5 | 654.3 | 59.2 |
| Vasatı         | 60.5  | 60.4  | 60.3  | 60.2  | 60.3  | 60.5  | 60.7  | 60.8  | 60.9  | 61.0  | 61.0  | 60.9  | 60.6  | 60.3  | 60.1  | 60.0  | 59.9  | 59.9  | 60.0  | 60.3  | 60.6  | 60.7  | 60.8  | 60.8  | 60.5 |

700 mm. + .....

## Tazyik

Haziran 1938 — Juin 1938

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## SAAT — HEURE

| SAAT — HEURE   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Vasatı<br>Moyen |      |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|------|
| Gün<br>Jour    | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24              |      |
| 1              | 62.6  | 63.3  | 64.1  | 64.4  | 64.9  | 65.4  | 66.0  | 66.5  | 67.0  | 67.3  | 67.5  | 67.8  | 67.8  | 67.5  | 67.5  | 67.4  | 67.6  | 67.6  | 67.5  | 67.4  | 67.7  | 67.6  | 67.6  | 67.4            | 66.6 |
| 2              | 67.2  | 67.0  | 66.9  | 66.8  | 66.7  | 66.6  | 66.7  | 66.9  | 66.8  | 66.7  | 66.6  | 66.2  | 66.1  | 65.8  | 65.7  | 65.6  | 65.3  | 65.3  | 65.9  | 65.8  | 65.8  | 65.7  | 65.2  | 65.1            | 66.2 |
| 3              | 65.1  | 65.0  | 64.8  | 64.6  | 64.5  | 64.6  | 64.6  | 64.5  | 64.5  | 64.5  | 64.7  | 64.5  | 64.3  | 64.1  | 63.8  | 63.6  | 63.5  | 63.1  | 63.0  | 62.8  | 62.8  | 62.7  | 62.6  | 62.5            | 64.0 |
| 4              | 62.3  | 62.0  | 61.8  | 61.6  | 61.8  | 62.0  | 62.1  | 62.1  | 62.0  | 61.8  | 61.6  | 61.6  | 61.2  | 61.0  | 60.9  | 60.7  | 60.6  | 60.4  | 60.4  | 60.6  | 60.9  | 61.0  | 60.9  | 60.7            | 61.3 |
| 5              | 60.6  | 60.5  | 60.4  | 60.4  | 60.5  | 60.8  | 61.0  | 61.2  | 61.2  | 61.3  | 61.4  | 61.4  | 61.2  | 61.1  | 61.0  | 60.9  | 60.8  | 60.9  | 60.8  | 61.0  | 61.3  | 61.3  | 61.4  | 61.4            | 61.0 |
| 6              | 61.3  | 61.2  | 61.0  | 61.3  | 61.8  | 62.1  | 62.3  | 62.7  | 62.9  | 63.1  | 63.2  | 63.1  | 62.9  | 62.7  | 62.5  | 62.4  | 62.3  | 62.3  | 62.6  | 62.6  | 62.8  | 63.0  | 63.1  | 63.0            | 62.4 |
| 7              | 62.9  | 62.7  | 62.6  | 62.6  | 62.7  | 62.8  | 62.9  | 63.1  | 63.1  | 63.0  | 63.1  | 63.2  | 63.0  | 62.6  | 62.0  | 61.9  | 61.6  | 61.6  | 61.6  | 61.8  | 62.6  | 62.9  | 63.1  | 62.8            | 62.6 |
| 8              | 62.7  | 62.6  | 62.3  | 62.0  | 62.0  | 62.1  | 62.5  | 62.6  | 62.7  | 62.8  | 62.7  | 62.5  | 62.2  | 61.9  | 61.8  | 61.9  | 62.0  | 62.1  | 62.6  | 62.9  | 63.2  | 63.2  | 63.2  | 63.2            | 62.5 |
| 9              | 63.1  | 62.7  | 62.4  | 62.2  | 62.3  | 62.6  | 63.0  | 63.0  | 63.0  | 63.1  | 63.1  | 63.1  | 63.0  | 62.9  | 62.9  | 62.8  | 62.6  | 63.0  | 63.1  | 63.3  | 63.9  | 64.0  | 63.9  | 63.7            | 63.0 |
| 10             | 63.5  | 63.4  | 63.1  | 63.0  | 63.2  | 63.5  | 63.8  | 64.0  | 64.0  | 64.1  | 64.2  | 64.0  | 64.0  | 63.8  | 63.7  | 63.6  | 63.5  | 63.7  | 64.0  | 64.1  | 64.3  | 64.3  | 64.3  | 64.3            | 63.8 |
| 1inci<br>onluk | 631.3 | 630.4 | 629.4 | 628.9 | 630.4 | 632.5 | 634.9 | 636.6 | 637.2 | 637.7 | 638.1 | 637.4 | 635.7 | 633.4 | 631.8 | 630.8 | 630.0 | 630.2 | 631.5 | 632.3 | 635.3 | 635.7 | 635.2 | 634.1           | 63.5 |
| 11             | 61.0  | 63.6  | 63.5  | 63.4  | 63.4  | 63.5  | 63.5  | 63.7  | 63.8  | 63.9  | 63.7  | 63.5  | 63.0  | 62.8  | 62.6  | 62.4  | 62.0  | 62.0  | 62.6  | 62.7  | 63.0  | 63.1  | 63.1  | 63.0            | 63.2 |
| 12             | 62.8  | 62.6  | 62.3  | 62.2  | 62.1  | 62.3  | 62.5  | 62.6  | 62.6  | 62.6  | 62.6  | 62.5  | 62.4  | 62.2  | 62.0  | 61.8  | 61.7  | 61.6  | 61.6  | 61.6  | 61.6  | 61.5  | 61.4  | 61.1            | 62.1 |
| 13             | 61.0  | 60.8  | 60.5  | 60.4  | 60.4  | 60.7  | 61.1  | 61.2  | 61.2  | 61.3  | 61.2  | 61.1  | 61.1  | 61.0  | 60.8  | 60.6  | 60.4  | 60.2  | 60.2  | 60.4  | 60.5  | 60.7  | 60.5  | 60.4            | 60.7 |
| 14             | 60.3  | 60.2  | 60.1  | 60.0  | 60.1  | 60.1  | 60.5  | 60.8  | 60.8  | 60.9  | 60.9  | 60.7  | 60.4  | 59.9  | 59.7  | 59.6  | 59.5  | 59.3  | 59.0  | 58.9  | 59.2  | 59.3  | 59.3  | 60.0            | 60.0 |
| 15             | 59.2  | 59.0  | 58.9  | 58.7  | 58.8  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.5  | 57.9  | 57.3  | 56.8  | 56.4  | 55.9  | 55.6  | 55.2  | 55.0  | 54.9  | 54.7  | 54.4  | 54.1            | 57.3 |
| 16             | 53.7  | 53.7  | 53.2  | 53.4  | 53.3  | 53.5  | 53.5  | 53.5  | 53.6  | 53.9  | 54.2  | 54.4  | 54.4  | 54.2  | 54.4  | 55.4  | 55.9  | 54.6  | 56.1  | 56.3  | 56.9  | 57.3  | 57.4  | 57.6            | 54.8 |
| 17             | 57.5  | 57.6  | 57.6  | 57.8  | 58.4  | 58.9  | 59.4  | 59.7  | 59.9  | 60.1  | 60.5  | 60.8  | 60.9  | 61.0  | 61.0  | 61.0  | 61.2  | 61.3  | 61.8  | 62.0  | 62.1  | 62.2  | 62.3  | 62.3            | 60.3 |
| 18             | 62.3  | 61.9  | 61.6  | 61.6  | 61.8  | 62.0  | 62.3  | 62.4  | 62.2  | 62.2  | 62.1  | 62.0  | 62.0  | 61.9  | 61.8  | 61.6  | 61.7  | 61.8  | 61.9  | 62.0  | 62.3  | 62.3  | 62.4  | 62.4            | 62.0 |
| 19             | 62.4  | 62.4  | 62.4  | 62.6  | 62.8  | 63.1  | 63.4  | 63.4  | 63.4  | 63.5  | 63.5  | 63.4  | 63.3  | 63.3  | 63.3  | 63.3  | 63.5  | 63.9  | 64.2  | 64.4  | 64.6  | 64.6  | 64.5  | 64.4            | 63.5 |
| 20             | 61.4  | 64.3  | 64.2  | 64.2  | 64.4  | 64.4  | 64.6  | 64.8  | 64.8  | 64.9  | 65.0  | 64.8  | 64.7  | 64.7  | 64.8  | 64.9  | 64.9  | 65.0  | 65.2  | 65.2  | 65.4  | 65.5  | 65.5  | 65.3            | 64.8 |
| 2inci<br>onluk | 607.6 | 606.1 | 604.3 | 604.3 | 605.5 | 607.4 | 609.8 | 611.0 | 611.2 | 612.2 | 612.6 | 611.7 | 610.1 | 608.3 | 607.2 | 607.0 | 606.7 | 605.3 | 607.8 | 608.5 | 610.5 | 611.2 | 610.8 | 609.9           | 60.9 |
| 21             | 65.2  | 65.2  | 65.1  | 65.0  | 65.3  | 65.4  | 65.6  | 65.8  | 65.8  | 65.9  | 65.9  | 66.0  | 65.9  | 65.7  | 65.7  | 65.7  | 65.7  | 66.0  | 66.2  | 66.5  | 66.8  | 66.9  | 66.9  | 66.6            | 65.9 |
| 22             | 66.3  | 66.1  | 66.4  | 66.5  | 66.6  | 66.8  | 67.0  | 67.3  | 67.3  | 67.3  | 67.1  | 67.0  | 66.7  | 66.2  | 66.1  | 66.0  | 65.9  | 65.8  | 65.9  | 66.1  | 66.2  | 66.1  | 66.0  | 66.0            | 66.5 |
| 23             | 65.8  | 65.5  | 65.2  | 65.0  | 65.0  | 65.2  | 65.2  | 65.1  | 64.9  | 64.7  | 64.3  | 63.8  | 63.4  | 63.2  | 63.0  | 62.8  | 62.7  | 62.4  | 62.4  | 62.3  | 62.1  | 61.9  | 61.5  | 61.2            | 63.7 |
| 24             | 61.0  | 60.3  | 60.3  | 60.2  | 60.3  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.1  | 60.0  | 60.0  | 59.8  | 59.7  | 59.6  | 59.4  | 59.6  | 59.7  | 59.8  | 60.1  | 60.4  | 60.5  | 60.5            | 60.1 |
| 25             | 60.4  | 60.4  | 60.4  | 60.4  | 61.0  | 61.1  | 61.4  | 61.6  | 61.7  | 61.8  | 62.0  | 62.0  | 61.8  | 61.6  | 61.3  | 61.2  | 61.0  | 61.4  | 61.6  | 61.8  | 62.0  | 61.9  | 61.9  | 61.8            | 61.4 |
| 26             | 61.8  | 61.7  | 61.6  | 61.5  | 61.6  | 61.6  | 61.7  | 61.9  | 61.8  | 61.7  | 61.6  | 61.5  | 61.2  | 61.1  | 60.9  | 60.6  | 60.5  | 60.5  | 60.5  | 60.5  | 60.7  | 60.7  | 60.5  | 60.2            | 61.2 |
| 27             | 60.0  | 59.9  | 59.7  | 59.6  | 59.8  | 60.0  | 60.2  | 60.3  | 60.3  | 60.5  | 60.4  | 60.0  | 59.7  | 59.6  | 59.4  | 59.1  | 59.0  | 59.0  | 58.8  | 59.6  | 59.6  | 59.5  | 59.5  | 59.5            | 59.7 |
| 28             | 59.4  | 58.8  | 58.8  | 58.9  | 59.0  | 59.3  | 59.6  | 59.5  | 59.5  | 59.7  | 59.3  | 58.9  | 58.7  | 58.3  | 58.2  | 58.1  | 57.9  | 58.3  | 58.5  | 58.6  | 59.0  | 59.1  | 59.0  | 58.8            | 58.9 |
| 29             | 58.3  | 58.2  | 58.1  | 58.0  | 58.0  | 58.2  | 58.6  | 58.8  | 58.7  | 58.7  | 58.6  | 58.3  | 58.1  | 57.9  | 57.7  | 57.6  | 57.2  | 57.4  | 57.4  | 57.9  | 58.1  | 58.1  | 57.9  | 57.7            | 58.1 |
| 30             | 57.3  | 57.2  | 57.0  | 57.0  | 57.0  | 57.0  | 57.4  | 57.5  | 57.4  | 57.4  | 57.4  | 57.2  | 57.0  | 56.8  | 56.6  | 56.5  | 56.4  | 56.5  | 56.6  | 56.9  | 56.9  | 56.9  | 56.8  | 56.6            | 57.0 |
| 3üncü<br>onluk | 615.7 | 614.1 | 612.6 | 612.1 | 613.6 | 614.8 | 616.9 | 618.0 | 617.6 | 617.9 | 616.7 | 614.7 | 612.5 | 610.2 | 608.6 | 607.2 | 605.7 | 606.7 | 607.8 | 608.9 | 611.5 | 611.6 | 610.5 | 608.9           | 61.2 |

## S A A T — H E U R E

Gün  
JourVasatı  
Moyen

|                 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22   | 23   | 24   | Vasatı<br>Moyen |
|-----------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-----------------|
| 1               | 8.3  | 8.3  | 8.3  | 8.5  | 8.3  | 8.3  | 8.5  | 8.6   | 8.6   | 8.6   | 9.3   | 9.9   | 11.0  | 12.2  | 11.0  | 13.7  | 12.2  | 13.1  | 11.0  | 10.5  | 11.4  | 10.6 | 10.8 | 10.5 | 10.1            |
| 2               | 10.5 | 10.5 | 10.5 | 10.3 | 9.5  | 9.5  | 10.4 | 10.7  | 11.3  | 12.0  | 13.5  | 15.5  | 14.3  | 16.3  | 15.0  | 15.0  | 14.9  | 13.0  | 12.4  | 13.1  | 12.1  | 12.4 | 12.4 | 11.6 | 12.4            |
| 3               | 10.6 | 10.2 | 11.0 | 11.0 | 10.6 | 9.4  | 10.4 | 11.2  | 13.5  | 14.3  | 15.6  | 17.0  | 18.3  | 18.6  | 18.8  | 18.3  | 17.8  | 16.0  | 15.3  | 13.0  | 13.1  | 13.0 | 12.8 | 14.0 | 13.9            |
| 4               | 12.8 | 12.9 | 12.3 | 13.0 | 13.3 | 14.3 | 15.8 | 16.0  | 16.8  | 17.3  | 18.7  | 19.5  | 18.2  | 20.0  | 18.2  | 20.6  | 18.0  | 16.5  | 16.0  | 15.9  | 15.1  | 14.9 | 14.8 | 12.7 | 16.0            |
| 5               | 7.2  | 6.7  | 6.4  | 6.9  | 6.4  | 6.4  | 6.5  | 6.3   | 6.0   | 6.2   | 7.3   | 7.2   | 6.9   | 7.3   | 6.6   | 6.5   | 6.5   | 6.6   | 6.6   | 6.7   | 6.6   | 6.3  | 6.1  | 5.9  | 6.6             |
| 6               | 5.2  | 5.0  | 4.9  | 4.9  | 5.3  | 5.8  | 5.9  | 6.0   | 6.5   | 6.6   | 6.1   | 5.8   | 6.0   | 6.5   | 5.7   | 5.6   | 5.5   | 5.4   | 5.4   | 5.2   | 5.2   | 5.0  | 4.2  | 3.5  | 5.5             |
| 7               | 3.2  | 3.0  | 2.5  | 2.4  | 2.3  | 3.2  | 3.7  | 4.1   | 5.4   | 5.6   | 6.2   | 8.5   | 9.3   | 8.8   | 9.7   | 9.4   | 9.3   | 8.0   | 6.0   | 5.2   | 4.7   | 3.8  | 4.0  | 5.0  | 5.6             |
| 8               | 4.3  | 4.4  | 4.4  | 4.4  | 3.5  | 3.4  | 5.6  | 7.0   | 8.0   | 8.3   | 9.2   | 10.3  | 10.6  | 11.3  | 12.0  | 11.9  | 11.3  | 10.4  | 8.3   | 9.4   | 8.6   | 8.8  | 8.2  | 7.8  | 8.0             |
| 9               | 7.1  | 7.0  | 7.0  | 6.9  | 6.8  | 6.6  | 8.9  | 9.4   | 11.2  | 11.0  | 11.1  | 12.3  | 10.3  | 10.3  | 9.6   | 8.0   | 6.3   | 6.0   | 5.7   | 4.8   | 4.7   | 4.6  | 4.5  | 4.3  | 7.8             |
| 10              | 4.2  | 3.9  | 3.3  | 3.5  | 3.7  | 3.6  | 4.3  | 5.5   | 7.2   | 8.6   | 7.5   | 9.5   | 9.5   | 10.0  | 9.5   | 10.3  | 8.9   | 8.2   | 7.5   | 4.8   | 4.9   | 4.5  | 4.6  | 4.1  | 6.4             |
| 1 inci<br>onluk | 73.4 | 71.9 | 70.6 | 71.8 | 69.7 | 70.5 | 80.0 | 84.8  | 94.5  | 98.5  | 104.5 | 115.5 | 116.1 | 121.3 | 116.1 | 119.3 | 110.7 | 103.2 | 94.2  | 90.6  | 86.4  | 83.9 | 82.4 | 79.4 | 9.2             |
| 11              | 5.6  | 5.5  | 4.2  | 3.6  | 4.0  | 5.0  | 6.2  | 8.0   | 10.0  | 12.0  | 11.6  | 11.0  | 11.2  | 10.5  | 10.0  | 8.9   | 8.1   | 7.8   | 7.5   | 7.3   | 7.2   | 7.1  | 7.1  | 7.0  | 7.8             |
| 12              | 6.9  | 6.3  | 6.0  | 6.2  | 6.1  | 6.3  | 6.5  | 6.9   | 7.2   | 8.0   | 8.9   | 8.2   | 7.9   | 8.0   | 8.2   | 8.0   | 7.8   | 7.2   | 7.0   | 6.6   | 6.3   | 6.3  | 6.4  | 6.3  | 7.1             |
| 13              | 6.3  | 6.1  | 6.0  | 3.6  | 2.9  | 3.0  | 3.0  | 3.0   | 2.5   | 2.6   | 3.5   | 3.8   | 3.8   | 3.5   | 3.5   | 3.6   | 4.0   | 5.3   | 4.3   | 4.3   | 4.3   | 4.3  | 5.0  | 4.9  | 4.1             |
| 14              | 4.5  | 4.3  | 4.0  | 3.3  | 3.0  | 3.3  | 4.3  | 6.3   | 7.5   | 8.1   | 8.8   | 9.3   | 9.2   | 10.1  | 10.2  | 10.3  | 10.3  | 8.7   | 7.9   | 7.5   | 7.0   | 6.6  | 6.4  | 6.2  | 7.0             |
| 15              | 6.3  | 6.2  | 6.0  | 6.4  | 6.7  | 7.4  | 9.2  | 9.5   | 12.5  | 13.6  | 13.8  | 15.0  | 16.0  | 14.4  | 14.4  | 14.3  | 12.4  | 11.1  | 10.1  | 9.9   | 9.2   | 9.0  | 8.2  | 7.8  | 10.4            |
| 16              | 8.0  | 8.3  | 8.1  | 8.0  | 7.6  | 7.0  | 7.7  | 7.6   | 7.6   | 7.7   | 8.2   | 8.5   | 7.9   | 8.1   | 8.0   | 7.6   | 7.4   | 7.4   | 7.2   | 7.1   | 6.8   | 6.6  | 6.6  | 6.6  | 7.6             |
| 17              | 6.4  | 6.2  | 6.2  | 6.2  | 5.2  | 5.7  | 6.2  | 6.3   | 7.4   | 7.7   | 7.7   | 7.8   | 8.3   | 7.7   | 7.4   | 7.5   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.7  | 7.8  | 7.8  | 7.1             |
| 18              | 7.9  | 7.9  | 8.3  | 7.8  | 8.4  | 7.2  | 8.1  | 10.0  | 11.5  | 13.3  | 13.5  | 12.0  | 13.5  | 13.5  | 14.2  | 14.6  | 13.4  | 13.4  | 12.4  | 12.9  | 12.1  | 10.8 | 11.2 | 10.6 | 11.2            |
| 19              | 10.4 | 10.3 | 11.0 | 10.4 | 10.6 | 11.3 | 12.3 | 14.6  | 15.0  | 15.4  | 17.2  | 18.0  | 18.4  | 17.4  | 17.3  | 16.0  | 16.0  | 14.9  | 13.3  | 14.1  | 13.5  | 13.3 | 13.4 | 13.5 | 14.1            |
| 20              | 13.2 | 13.5 | 13.1 | 13.1 | 13.5 | 14.3 | 15.0 | 17.2  | 19.2  | 21.0  | 21.9  | 22.9  | 23.0  | 23.4  | 24.0  | 24.1  | 23.8  | 23.3  | 23.1  | 22.8  | 20.4  | 21.0 | 18.4 | 20.2 | 19.4            |
| 2 inci<br>onluk | 75.5 | 74.6 | 72.9 | 68.6 | 68.0 | 70.5 | 78.5 | 89.4  | 100.4 | 109.4 | 115.1 | 116.5 | 119.2 | 116.6 | 117.2 | 114.9 | 110.8 | 106.7 | 100.4 | 100.1 | 94.4  | 92.7 | 90.5 | 90.9 | 9.6             |
| 21              | 20.0 | 19.8 | 19.3 | 19.0 | 18.0 | 17.2 | 15.5 | 15.3  | 16.3  | 15.5  | 16.0  | 17.2  | 19.0  | 18.4  | 18.1  | 17.3  | 16.3  | 17.2  | 16.6  | 16.6  | 15.2  | 15.2 | 15.1 | 11.0 | 16.9            |
| 22              | 9.0  | 8.5  | 8.0  | 7.8  | 7.6  | 7.2  | 8.9  | 9.0   | 9.4   | 9.6   | 9.3   | 8.3   | 8.4   | 8.4   | 8.4   | 8.0   | 7.9   | 7.8   | 7.6   | 7.4   | 7.2   | 7.1  | 7.1  | 7.1  | 8.1             |
| 23              | 7.0  | 6.9  | 6.9  | 7.0  | 7.2  | 7.6  | 8.0  | 8.4   | 8.6   | 9.3   | 10.2  | 11.3  | 12.8  | 11.5  | 12.4  | 13.1  | 12.2  | 11.5  | 9.8   | 8.8   | 8.7   | 7.8  | 8.0  | 7.3  | 9.3             |
| 24              | 7.0  | 8.3  | 7.7  | 7.5  | 6.5  | 6.8  | 7.4  | 9.2   | 12.0  | 11.0  | 12.3  | 13.3  | 14.7  | 16.9  | 17.2  | 16.4  | 16.0  | 9.0   | 8.6   | 8.4   | 8.2   | 8.4  | 8.3  | 8.0  | 10.4            |
| 25              | 7.2  | 7.2  | 7.0  | 6.9  | 6.7  | 7.2  | 8.0  | 8.3   | 10.0  | 11.5  | 14.2  | 14.5  | 15.8  | 14.5  | 13.5  | 12.5  | 11.8  | 9.7   | 9.0   | 8.8   | 8.6   | 8.3  | 8.2  | 8.2  | 9.9             |
| 26              | 8.2  | 8.2  | 8.2  | 8.2  | 8.3  | 8.7  | 9.0  | 9.4   | 11.9  | 13.4  | 11.3  | 12.8  | 11.5  | 11.3  | 10.3  | 10.7  | 10.3  | 10.0  | 8.7   | 9.0   | 9.1   | 8.7  | 8.4  | 8.3  | 9.8             |
| 27              | 8.2  | 8.1  | 8.0  | 8.0  | 8.0  | 8.3  | 8.6  | 8.6   | 8.7   | 8.7   | 8.6   | 8.8   | 8.8   | 8.8   | 9.0   | 9.0   | 9.1   | 8.7   | 8.6   | 8.5   | 8.5   | 8.3  | 8.2  | 8.1  | 8.5             |
| 28              | 8.0  | 8.0  | 7.8  | 7.6  | 7.8  | 8.3  | 8.8  | 9.1   | 10.4  | 10.5  | 10.5  | 11.5  | 12.4  | 11.9  | 12.0  | 13.0  | 13.1  | 13.0  | 10.5  | 9.5   | 9.0   | 8.2  | 8.1  | 7.4  | 9.9             |
| 29              | 7.6  | 7.2  | 7.3  | 7.5  | 6.7  | 7.7  | 9.2  | 10.3  | 12.0  | 13.2  | 14.0  | 16.0  | 17.0  | 17.9  | 17.6  | 16.5  | 15.4  | 15.6  | 13.2  | 11.2  | 11.0  | 10.9 | 10.4 | 10.0 | 11.9            |
| 30              | 8.6  | 8.0  | 9.0  | 8.8  | 9.3  | 9.8  | 13.1 | 14.1  | 15.5  | 18.0  | 19.0  | 20.0  | 21.0  | 21.6  | 19.5  | 21.0  | 21.0  | 19.0  | 17.7  | 16.7  | 15.7  | 15.0 | 14.4 | 14.4 | 15.4            |
| 3 inci<br>onluk | 90.8 | 90.2 | 89.2 | 88.3 | 86.1 | 88.8 | 96.5 | 101.7 | 114.8 | 120.7 | 125.4 | 133.7 | 141.4 | 141.2 | 138.0 | 137.5 | 133.1 | 121.5 | 110.3 | 104.9 | 101.2 | 97.9 | 96.2 | 89.8 | —               |
| Vasatı          | 8.0  | 7.9  | 7.8  | 7.6  | 7.5  | 7.7  | 8.5  | 9.2   | 10.3  | 11.0  | 11.5  | 12.2  | 12.6  | 12.6  | 12.4  | 12.4  | 11.8  | 11.0  | 10.2  | 9.9   | 9.4   | 9.2  | 9.0  | 8.7  | 9.9             |

| Gün<br>Jour | S A A T — H E U R E |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Vasatı<br>Moyen |
|-------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
|             | 1                   | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |                 |
| 1           | 15.0                | 14.0  | 13.0  | 13.0  | 15.0  | 11.8  | 14.8  | 14.5  | 15.2  | 17.3  | 20.8  | 23.0  | 20.0  | 22.6  | 20.0  | 19.0  | 19.3  | 18.0  | 16.8  | 15.2  | 13.9  | 13.9  | 17.8  | 18.2  | 17.0            |
| 2           | 13.1                | 12.3  | 11.5  | 11.5  | 12.1  | 13.1  | 11.2  | 13.7  | 12.3  | 11.8  | 11.7  | 14.0  | 14.6  | 14.9  | 14.8  | 14.6  | 14.0  | 13.3  | 13.9  | 13.2  | 12.3  | 12.1  | 12.0  | 12.0  | 13.0            |
| 3           | 11.7                | 11.7  | 11.3  | 11.4  | 11.5  | 11.3  | 11.3  | 11.6  | 13.6  | 12.2  | 12.4  | 12.0  | 12.5  | 12.8  | 12.4  | 12.6  | 13.1  | 12.4  | 12.3  | 12.0  | 11.9  | 12.0  | 11.7  | 11.5  | 12.1            |
| 4           | 11.5                | 11.7  | 11.7  | 11.6  | 11.6  | 12.0  | 11.9  | 12.0  | 12.3  | 12.8  | 12.4  | 12.0  | 10.9  | 10.7  | 10.7  | 10.4  | 10.3  | 10.2  | 10.0  | 9.9   | 9.7   | 9.8   | 9.8   | 9.7   | 11.1            |
| 5           | 9.6                 | 9.6   | 9.7   | 9.7   | 9.6   | 9.7   | 11.4  | 13.0  | 12.5  | 13.0  | 14.2  | 14.7  | 15.5  | 15.4  | 16.0  | 16.2  | 15.7  | 16.2  | 13.9  | 13.5  | 12.9  | 13.1  | 11.8  | 10.1  | 12.8            |
| 6           | 9.0                 | 8.6   | 8.6   | 8.0   | 8.2   | 8.5   | 8.6   | 8.3   | 8.2   | 9.4   | 10.8  | 10.0  | 11.3  | 11.9  | 13.8  | 14.8  | 12.0  | 13.0  | 10.7  | 9.6   | 8.8   | 8.4   | 8.2   | 8.6   | 9.9             |
| 7           | 8.6                 | 8.6   | 7.9   | 8.0   | 7.3   | 8.5   | 11.5  | 13.5  | 16.0  | 17.0  | 18.6  | 19.2  | 20.0  | 20.3  | 20.3  | 19.3  | 19.3  | 18.9  | 18.1  | 17.9  | 17.9  | 16.1  | 16.1  | 15.4  | 15.4            |
| 8           | 15.4                | 15.3  | 14.5  | 14.8  | 15.2  | 15.2  | 15.9  | 16.0  | 20.0  | 19.5  | 21.0  | 21.5  | 22.2  | 22.4  | 23.0  | 21.0  | 20.7  | 19.0  | 17.5  | 17.6  | 17.2  | 17.0  | 16.0  | 16.8  | 18.1            |
| 9           | 16.5                | 15.5  | 16.0  | 15.5  | 15.1  | 15.0  | 15.5  | 16.4  | 17.1  | 17.1  | 16.5  | 16.0  | 15.3  | 15.1  | 15.0  | 15.7  | 15.0  | 14.3  | 12.3  | 11.7  | 11.3  | 11.0  | 10.7  | 10.4  | 14.6            |
| 10          | 10.4                | 10.3  | 10.3  | 10.2  | 10.1  | 11.6  | 13.8  | 16.7  | 17.5  | 18.4  | 19.0  | 19.3  | 19.5  | 18.9  | 19.4  | 18.4  | 17.0  | 13.9  | 12.6  | 13.0  | 12.3  | 12.2  | 11.6  | 11.5  | 14.5            |
| 11          | 12.4                | 13.4  | 13.2  | 14.1  | 16.0  | 16.0  | 16.5  | 20.0  | 25.0  | 25.0  | 22.0  | 25.4  | 25.5  | 26.6  | 28.5  | 28.5  | 28.0  | 26.0  | 24.6  | 22.7  | 19.1  | 17.0  | 16.0  | 17.1  | 20.8            |
| 12          | 17.0                | 16.1  | 15.4  | 14.1  | 14.0  | 14.4  | 16.1  | 17.5  | 18.8  | 19.2  | 19.3  | 20.1  | 17.0  | 15.8  | 14.3  | 13.4  | 12.4  | 11.4  | 11.7  | 11.7  | 11.4  | 11.4  | 11.3  | 11.3  | 14.8            |
| 13          | 11.2                | 11.1  | 11.1  | 11.1  | 11.0  | 10.9  | 10.8  | 10.7  | 10.6  | 10.5  | 10.4  | 11.5  | 11.8  | 12.8  | 12.7  | 12.5  | 11.7  | 10.6  | 10.1  | 9.9   | 10.0  | 10.0  | 10.0  | 10.0  | 11.0            |
| 14          | 10.0                | 9.3   | 9.8   | 10.5  | 10.3  | 10.8  | 10.9  | 10.9  | 11.3  | 11.3  | 11.5  | 15.2  | 12.0  | 12.4  | 12.5  | 12.5  | 11.9  | 11.8  | 11.7  | 11.8  | 11.7  | 12.0  | 11.8  | 11.8  | 11.4            |
| 15          | 11.6                | 11.5  | 11.4  | 11.3  | 11.2  | 11.2  | 12.5  | 13.4  | 14.5  | 16.0  | 16.8  | 17.0  | 16.0  | 16.4  | 16.2  | 15.7  | 15.5  | 14.8  | 12.4  | 11.3  | 10.9  | 10.4  | 10.4  | 10.3  | 13.3            |
| 16          | 9.9                 | 9.5   | 9.1   | 9.1   | 8.6   | 9.2   | 10.1  | 11.8  | 14.4  | 16.8  | 17.2  | 18.4  | 18.0  | 19.1  | 19.3  | 18.8  | 18.3  | 16.7  | 16.4  | 15.7  | 14.9  | 12.8  | 13.0  | 13.3  | 14.2            |
| 17          | 13.5                | 14.2  | 12.7  | 11.7  | 11.4  | 11.4  | 14.9  | 17.3  | 16.6  | 17.3  | 18.3  | 20.5  | 20.7  | 20.7  | 22.4  | 22.8  | 21.9  | 20.9  | 19.3  | 18.4  | 17.3  | 16.0  | 15.4  | 15.0  | 17.1            |
| 18          | 15.0                | 15.2  | 14.8  | 14.5  | 14.7  | 14.5  | 16.7  | 17.5  | 20.4  | 20.0  | 19.6  | 22.7  | 22.3  | 24.9  | 24.4  | 24.2  | 24.9  | 23.2  | 21.0  | 19.0  | 17.6  | 16.1  | 16.4  | 16.4  | 19.0            |
| 19          | 15.7                | 16.0  | 15.8  | 15.8  | 15.2  | 15.2  | 16.1  | 19.0  | 20.0  | 20.8  | 21.7  | 22.2  | 22.8  | 24.3  | 24.3  | 26.0  | 25.0  | 25.0  | 18.0  | 19.2  | 18.6  | 17.5  | 18.0  | 19.7  | 17.7            |
| 20          | 17.8                | 17.0  | 17.0  | 17.4  | 15.7  | 16.5  | 20.5  | 23.0  | 22.8  | 22.6  | 24.3  | 26.4  | 27.0  | 25.8  | 26.0  | 26.5  | 25.7  | 24.2  | 21.7  | 19.4  | 18.4  | 18.7  | 19.3  | 18.8  | 21.4            |
| 21          | 13.0                | 13.3  | 13.0  | 12.9  | 12.8  | 13.0  | 14.5  | 16.1  | 17.4  | 17.6  | 18.1  | 19.5  | 19.8  | 19.7  | 20.0  | 20.1  | 19.6  | 18.5  | 16.7  | 16.0  | 15.0  | 14.3  | 14.1  | 14.2  | 16.3            |
| 22          | 17.5                | 16.6  | 13.5  | 12.0  | 11.1  | 11.8  | 13.8  | 15.0  | 14.5  | 15.5  | 16.0  | 17.0  | 17.2  | 15.7  | 15.8  | 16.2  | 14.7  | 13.8  | 13.5  | 20.8  | 12.5  | 12.6  | 12.6  | 12.0  | 14.7            |
| 23          | 12.0                | 12.0  | 12.0  | 12.1  | 12.2  | 12.6  | 12.7  | 18.3  | 19.0  | 23.0  | 24.9  | 24.5  | 26.0  | 27.8  | 29.0  | 27.0  | 28.2  | 27.0  | 23.8  | 21.9  | 21.2  | 20.5  | 20.1  | 19.6  | 20.3            |
| 24          | 16.5                | 16.5  | 16.7  | 16.0  | 15.3  | 16.4  | 17.3  | 18.5  | 20.3  | 20.0  | 22.6  | 23.0  | 25.4  | 24.7  | 25.5  | 25.7  | 26.0  | 24.0  | 22.7  | 20.7  | 19.8  | 18.7  | 18.8  | 18.5  | 20.4            |
| 25          | 16.9                | 18.0  | 17.0  | 17.9  | 17.6  | 18.0  | 20.0  | 23.8  | 21.0  | 23.0  | 26.0  | 26.8  | 28.5  | 26.9  | 25.7  | 26.0  | 25.0  | 24.0  | 22.0  | 20.0  | 19.9  | 18.9  | 18.4  | 18.0  | 21.6            |
| 26          | 17.9                | 16.4  | 16.0  | 15.0  | 14.9  | 15.9  | 16.4  | 18.5  | 18.4  | 19.0  | 20.2  | 20.6  | 22.0  | 22.5  | 22.3  | 22.0  | 21.0  | 20.2  | 18.2  | 17.0  | 17.0  | 17.1  | 16.1  | 16.0  | 18.4            |
| 27          | 15.5                | 15.5  | 15.5  | 15.8  | 15.7  | 15.9  | 16.5  | 17.5  | 19.0  | 19.5  | 18.5  | 16.8  | 17.0  | 17.7  | 17.0  | 18.6  | 18.9  | 17.9  | 16.4  | 14.7  | 14.5  | 15.0  | 15.0  | 14.9  | 16.6            |
| 28          | 14.0                | 13.8  | 13.7  | 13.4  | 12.6  | 13.5  | 15.3  | 16.2  | 17.2  | 18.0  | 18.5  | 20.0  | 20.0  | 21.3  | 21.8  | 22.0  | 21.5  | 18.9  | 16.7  | 15.8  | 15.3  | 15.2  | 15.3  | 15.4  | 16.9            |
| 29          | 15.0                | 14.0  | 14.7  | 14.0  | 14.6  | 14.7  | 17.2  | 18.0  | 19.0  | 19.6  | 20.5  | 20.5  | 19.0  | 19.9  | 21.2  | 22.8  | 22.3  | 21.0  | 20.4  | 20.0  | 17.4  | 17.1  | 16.3  | 15.0  | 17.9            |
| 30          | 14.4                | 15.7  | 15.6  | 15.0  | 15.1  | 14.9  | 17.5  | 19.5  | 20.7  | 21.6  | 22.2  | 22.5  | 23.8  | 25.3  | 25.0  | 25.0  | 24.0  | 22.0  | 22.0  | 20.4  | 19.6  | 19.0  | 17.9  | 17.3  | 19.8            |
| 31          | 17.0                | 17.5  | 17.5  | 15.0  | 15.0  | 16.0  | 17.5  | 21.0  | 21.7  | 20.4  | 21.0  | 21.5  | 20.5  | 21.0  | 21.4  | 22.5  | 21.9  | 20.4  | 17.8  | 16.1  | 15.5  | 16.2  | 15.3  | 15.2  | 18.5            |
| 32          | 15.1                | 15.7  | 15.2  | 13.5  | 13.5  | 14.7  | 17.1  | 19.0  | 22.0  | 22.5  | 23.5  | 22.7  | 23.5  | 23.3  | 23.6  | 24.1  | 24.0  | 23.1  | 21.2  | 18.7  | 16.7  | 17.7  | 17.6  | 16.7  | 19.4            |
| 33          | 17.18               | 17.17 | 16.74 | 15.97 | 15.76 | 16.44 | 18.13 | 20.53 | 21.28 | 22.30 | 23.39 | 23.59 | 24.29 | 24.61 | 24.83 | 25.19 | 24.75 | 23.23 | 21.47 | 20.36 | 18.91 | 18.72 | 18.21 | 17.88 | 18.6            |

## S A A T — H E U R E

| Gün<br>Jour     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | Vasatı<br>Moyen |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| 1               | 14.5  | 16.4  | 16.9  | 16.3  | 16.2  | 16.5  | 16.3  | 17.1  | 18.0  | 18.5  | 19.0  | 19.3  | 19.2  | 19.9  | 19.1  | 19.3  | 20.0  | 19.0  | 17.6  | 15.3  | 14.7  | 14.3  | 13.5  | 13.3  | 17.1            |
| 2               | 12.7  | 11.7  | 12.5  | 13.7  | 15.0  | 14.7  | 16.7  | 17.5  | 18.8  | 21.0  | 22.0  | 22.2  | 22.1  | 22.7  | 22.7  | 22.1  | 21.1  | 20.1  | 19.0  | 17.8  | 15.1  | 15.2  | 15.2  | 15.7  | 17.8            |
| 3               | 14.3  | 14.5  | 14.7  | 15.2  | 15.7  | 15.6  | 19.1  | 21.7  | 22.0  | 21.9  | 22.5  | 23.2  | 23.2  | 23.3  | 23.4  | 22.9  | 22.4  | 20.0  | 17.1  | 16.5  | 16.1  | 16.0  | 16.0  | 15.7  | 18.6            |
| 4               | 15.4  | 15.1  | 14.5  | 14.8  | 15.2  | 15.7  | 17.1  | 18.5  | 20.4  | 22.0  | 22.0  | 22.4  | 21.2  | 22.2  | 23.5  | 23.0  | 23.0  | 22.4  | 20.6  | 19.0  | 17.9  | 17.5  | 17.6  | 17.6  | 19.1            |
| 5               | 17.8  | 17.8  | 17.6  | 16.4  | 16.0  | 16.9  | 18.7  | 21.0  | 22.7  | 23.5  | 24.2  | 24.5  | 24.0  | 23.1  | 22.5  | 22.0  | 21.6  | 21.4  | 20.0  | 17.7  | 17.1  | 16.8  | 16.4  | 17.2  | 19.9            |
| 6               | 16.8  | 16.4  | 16.3  | 16.1  | 15.9  | 17.0  | 18.8  | 21.0  | 22.3  | 23.3  | 24.0  | 24.0  | 24.3  | 24.5  | 23.9  | 23.0  | 22.4  | 21.3  | 20.0  | 17.8  | 16.7  | 16.9  | 16.9  | 16.2  | 19.8            |
| 7               | 15.9  | 16.8  | 15.8  | 15.7  | 16.0  | 17.0  | 18.1  | 20.6  | 21.8  | 22.2  | 22.7  | 23.4  | 23.8  | 23.7  | 23.3  | 22.8  | 23.0  | 21.0  | 20.0  | 17.9  | 17.1  | 17.1  | 17.0  | 17.0  | 19.5            |
| 8               | 16.7  | 16.3  | 15.7  | 15.0  | 15.5  | 16.4  | 17.7  | 20.0  | 21.0  | 21.6  | 23.0  | 23.0  | 22.7  | 22.3  | 23.8  | 22.7  | 23.0  | 22.0  | 20.0  | 18.3  | 17.7  | 17.0  | 17.4  | 16.9  | 19.4            |
| 9               | 16.6  | 15.8  | 17.0  | 17.5  | 17.8  | 18.2  | 19.1  | 20.6  | 21.4  | 22.4  | 23.0  | 23.2  | 23.1  | 23.5  | 23.0  | 22.9  | 22.0  | 21.8  | 20.8  | 18.9  | 18.3  | 18.3  | 18.0  | 18.0  | 20.1            |
| 10              | 18.0  | 17.5  | 17.5  | 17.8  | 17.5  | 18.1  | 19.9  | 20.0  | 21.5  | 21.7  | 21.0  | 23.5  | 22.4  | 22.1  | 22.0  | 21.6  | 21.0  | 20.0  | 18.3  | 18.3  | 17.7  | 17.7  | 17.3  | 17.0  | 19.6            |
| 1 inci<br>onluk | 158.7 | 157.5 | 158.5 | 158.5 | 160.8 | 166.1 | 181.5 | 198.0 | 209.9 | 218.1 | 223.4 | 228.7 | 225.7 | 227.3 | 227.2 | 242.3 | 219.5 | 209.4 | 195.8 | 178.1 | 168.8 | 166.9 | 165.3 | 164.6 | 19.1            |
| 11              | 17.2  | 16.9  | 16.3  | 16.0  | 16.3  | 17.5  | 19.1  | 20.5  | 21.0  | 21.0  | 21.5  | 22.3  | 22.0  | 22.7  | 22.5  | 23.0  | 22.0  | 21.0  | 20.0  | 17.8  | 17.1  | 16.3  | 16.5  | 16.3  | 19.3            |
| 12              | 16.3  | 16.3  | 16.0  | 15.9  | 15.7  | 16.4  | 19.3  | 21.0  | 22.0  | 22.7  | 23.3  | 22.8  | 23.0  | 22.7  | 22.7  | 22.4  | 22.0  | 21.2  | 19.8  | 17.8  | 17.1  | 16.6  | 16.4  | 15.5  | 19.4            |
| 13              | 15.5  | 15.3  | 15.2  | 15.0  | 14.4  | 14.2  | 17.5  | 20.6  | 20.8  | 21.3  | 22.4  | 25.0  | 23.5  | 24.7  | 24.6  | 24.0  | 23.5  | 22.7  | 21.4  | 19.5  | 18.9  | 19.3  | 19.0  | 17.9  | 19.9            |
| 14              | 18.2  | 17.0  | 18.0  | 18.3  | 16.9  | 17.5  | 20.4  | 22.7  | 24.0  | 24.3  | 25.0  | 25.8  | 27.7  | 27.3  | 28.2  | 28.2  | 28.5  | 26.0  | 24.0  | 21.5  | 20.7  | 20.8  | 19.8  | 19.8  | 22.5            |
| 15              | 18.4  | 18.6  | 19.4  | 18.1  | 17.7  | 18.5  | 21.9  | 24.0  | 25.5  | 25.7  | 26.5  | 28.0  | 29.3  | 29.9  | 31.0  | 31.5  | 30.0  | 27.6  | 26.3  | 24.4  | 23.1  | 22.6  | 22.2  | 22.4  | 24.3            |
| 16              | 22.8  | 22.2  | 21.2  | 20.4  | 19.8  | 18.8  | 22.0  | 24.0  | 23.6  | 23.3  | 23.0  | 23.0  | 23.0  | 22.5  | 20.0  | 14.0  | 14.7  | 14.6  | 15.5  | 15.6  | 15.7  | 21.5  | 21.6  | 20.6  | 20.1            |
| 17              | 15.6  | 15.7  | 15.9  | 15.9  | 15.7  | 15.9  | 16.5  | 15.8  | 16.7  | 18.3  | 18.1  | 18.8  | 17.5  | 19.1  | 18.8  | 18.8  | 18.5  | 18.0  | 17.0  | 15.7  | 15.7  | 15.6  | 15.5  | 14.8  | 16.8            |
| 18              | 14.8  | 15.4  | 14.3  | 14.0  | 13.5  | 14.8  | 15.8  | 18.1  | 19.1  | 20.0  | 20.5  | 19.0  | 19.0  | 19.9  | 19.5  | 19.5  | 19.4  | 19.0  | 18.0  | 16.6  | 15.3  | 15.7  | 15.3  | 15.3  | 17.2            |
| 19              | 14.7  | 14.4  | 14.4  | 15.3  | 14.3  | 15.7  | 16.2  | 17.7  | 21.0  | 19.7  | 21.0  | 21.3  | 21.5  | 21.7  | 22.0  | 21.8  | 21.3  | 20.5  | 19.2  | 17.3  | 16.7  | 17.0  | 16.5  | 16.0  | 18.2            |
| 20              | 15.7  | 15.7  | 15.9  | 16.3  | 16.3  | 16.7  | 18.3  | 18.7  | 19.7  | 20.4  | 20.9  | 21.2  | 21.0  | 20.9  | 20.8  | 21.0  | 20.7  | 19.9  | 18.9  | 17.3  | 16.7  | 16.2  | 16.2  | 16.0  | 18.4            |
| 2 inci<br>onluk | 169.2 | 167.5 | 166.6 | 165.2 | 160.6 | 166.0 | 187.0 | 203.1 | 213.4 | 216.7 | 222.2 | 227.2 | 229.5 | 231.4 | 230.1 | 224.2 | 220.6 | 210.5 | 200.1 | 183.5 | 177.0 | 181.6 | 179.9 | 174.6 | 19.6            |
| 21              | 15.8  | 15.4  | 15.8  | 15.9  | 16.0  | 16.8  | 19.2  | 20.5  | 21.0  | 21.9  | 22.0  | 22.0  | 22.0  | 22.3  | 22.0  | 22.0  | 21.8  | 21.4  | 20.0  | 17.8  | 16.2  | 16.1  | 15.8  | 15.1  | 19.0            |
| 22              | 15.3  | 15.3  | 15.0  | 15.5  | 15.9  | 16.4  | 17.8  | 20.4  | 21.6  | 22.4  | 23.3  | 23.4  | 23.5  | 24.1  | 24.0  | 23.5  | 23.0  | 22.3  | 21.5  | 19.5  | 17.4  | 17.0  | 16.8  | 17.0  | 19.7            |
| 23              | 17.0  | 17.0  | 16.9  | 17.0  | 17.0  | 18.4  | 19.9  | 21.6  | 22.8  | 25.0  | 26.8  | 26.7  | 26.0  | 25.1  | 25.6  | 26.4  | 24.5  | 23.5  | 21.3  | 19.5  | 18.9  | 18.3  | 18.3  | 17.6  | 21.2            |
| 24              | 17.7  | 16.9  | 16.5  | 15.8  | 16.6  | 17.5  | 20.2  | 20.6  | 22.0  | 23.3  | 24.5  | 25.4  | 25.0  | 25.7  | 25.7  | 26.1  | 26.4  | 26.5  | 25.4  | 23.2  | 21.2  | 20.3  | 19.5  | 19.0  | 21.0            |
| 25              | 20.0  | 19.3  | 18.5  | 18.2  | 16.6  | 17.5  | 18.8  | 20.5  | 21.8  | 22.9  | 23.5  | 23.7  | 23.8  | 23.3  | 25.0  | 25.8  | 25.0  | 23.6  | 22.0  | 20.3  | 19.7  | 19.3  | 19.0  | 18.9  | 21.1            |
| 26              | 18.9  | 18.9  | 18.8  | 18.7  | 18.7  | 19.3  | 21.3  | 22.3  | 23.3  | 23.8  | 23.8  | 25.6  | 25.2  | 25.7  | 26.0  | 25.2  | 24.3  | 23.4  | 21.8  | 20.4  | 19.7  | 19.5  | 19.4  | 19.0  | 21.8            |
| 27              | 18.6  | 18.5  | 18.6  | 18.7  | 18.5  | 18.9  | 21.1  | 22.5  | 23.5  | 26.2  | 26.2  | 25.6  | 26.7  | 25.9  | 25.9  | 25.0  | 23.9  | 23.0  | 20.8  | 19.4  | 18.9  | 18.4  | 18.6  | 18.8  | 21.8            |
| 28              | 18.3  | 18.0  | 18.2  | 18.0  | 17.9  | 18.5  | 19.7  | 22.0  | 23.4  | 23.5  | 23.9  | 25.0  | 26.2  | 26.6  | 24.0  | 24.8  | 24.5  | 23.6  | 22.2  | 20.5  | 19.9  | 19.8  | 19.6  | 19.5  | 21.6            |
| 29              | 19.5  | 18.5  | 19.5  | 19.5  | 19.6  | 20.5  | 21.5  | 23.4  | 23.7  | 24.2  | 24.5  | 24.7  | 24.8  | 24.8  | 25.2  | 26.5  | 26.4  | 24.7  | 23.2  | 21.5  | 21.1  | 20.7  | 20.6  | 20.5  | 22.5            |
| 30              | 20.6  | 20.6  | 20.3  | 20.7  | 20.8  | 21.3  | 22.1  | 23.8  | 25.0  | 25.8  | 25.8  | 27.0  | 27.4  | 27.3  | 29.0  | 28.4  | 27.0  | 25.5  | 23.7  | 22.0  | 21.6  | 21.1  | 20.9  | 20.7  | 23.7            |
| 3 inci<br>onluk | 181.7 | 178.4 | 178.1 | 178.0 | 178.2 | 185.1 | 201.6 | 217.6 | 228.1 | 239.0 | 244.3 | 249.1 | 250.6 | 250.8 | 252.4 | 252.7 | 246.9 | 235.2 | 209.7 | 202.1 | 193.7 | 189.7 | 188.0 | 185.7 | 21.3            |
| Vasatı          | 17.0  | 16.8  | 16.8  | 16.7  | 16.7  | 17.2  | 19.0  | 20.6  | 21.7  | 22.5  | 23.0  | 23.5  | 23.5  | 23.7  | 23.7  | 23.0  | 22.9  | 21.8  | 20.2  | 18.8  | 18.0  | 17.9  | 17.7  | 17.5  | 20.0            |

| Gün<br>Jour     | S A A T — H E U R E |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Vasatı<br>Moyen |
|-----------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|
|                 | 1                   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |                 |
| 1               | 85                  | 84  | 85  | 85  | 87  | 89  | 88  | 90  | 90  | 91  | 88  | 85  | 77  | 72  | 75  | 56  | 67  | 63  | 70  | 77  | 80  | 82  | 81  | 80  | 80              |
| 2               | 82                  | 82  | 80  | 83  | 86  | 85  | 83  | 82  | 80  | 78  | 70  | 60  | 70  | 66  | 66  | 62  | 61  | 67  | 66  | 58  | 65  | 60  | 56  | 63  | 72              |
| 3               | 67                  | 70  | 66  | 66  | 70  | 75  | 74  | 74  | 70  | 64  | 60  | 56  | 54  | 49  | 51  | 50  | 47  | 52  | 71  | 77  | 70  | 72  | 65  | 64  | 64              |
| 4               | 74                  | 67  | 72  | 60  | 60  | 45  | 41  | 40  | 42  | 41  | 40  | 38  | 44  | 41  | 43  | 38  | 45  | 47  | 49  | 52  | 55  | 57  | 56  | 65  | 51              |
| 5               | 100                 | 94  | 92  | 95  | 97  | 97  | 97  | 96  | 94  | 88  | 80  | 81  | 87  | 88  | 91  | 92  | 95  | 93  | 94  | 95  | 94  | 97  | 94  | 92  | 93              |
| 6               | 90                  | 96  | 95  | 94  | 97  | 97  | 97  | 95  | 93  | 93  | 97  | 90  | 94  | 90  | 87  | 98  | 99  | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 96              |
| 7               | 100                 | 95  | 91  | 91  | 92  | 94  | 93  | 93  | 89  | 85  | 82  | 78  | 68  | 55  | 52  | 58  | 63  | 68  | 80  | 82  | 81  | 87  | 85  | 86  | 81              |
| 8               | 89                  | 90  | 97  | 90  | 100 | 100 | 91  | 85  | 80  | 80  | 75  | 65  | 56  | 52  | 50  | 45  | 47  | 54  | 50  | 50  | 55  | 52  | 50  | 53  | 69              |
| 9               | 57                  | 62  | 69  | 82  | 85  | 83  | 71  | 75  | 57  | 67  | 66  | 60  | 54  | 78  | 78  | 86  | 98  | 98  | 94  | 92  | 99  | 94  | 92  | 98  | 79              |
| 10              | 93                  | 93  | 92  | 97  | 92  | 92  | 91  | 80  | 74  | 66  | 76  | 65  | 70  | 62  | 73  | 58  | 65  | 62  | 70  | 80  | 87  | 90  | 85  | 80  | 79              |
| 1 inci<br>onluk | 837                 | 833 | 839 | 852 | 866 | 857 | 826 | 810 | 769 | 753 | 734 | 678 | 674 | 653 | 670 | 643 | 687 | 704 | 733 | 757 | 786 | 787 | 772 | 783 | 76              |
| 11              | 57                  | 57  | 62  | 70  | 80  | 91  | 84  | 70  | 55  | 46  | 53  | 54  | 56  | 51  | 61  | 70  | 80  | 83  | 86  | 90  | 90  | 90  | 90  | 90  | 72              |
| 12              | 93                  | 100 | 98  | 93  | 92  | 89  | 88  | 86  | 86  | 82  | 77  | 76  | 80  | 74  | 68  | 55  | 61  | 64  | 73  | 78  | 73  | 76  | 70  | 73  | 79              |
| 13              | 72                  | 70  | 62  | 90  | 94  | 98  | 95  | 94  | 95  | 98  | 97  | 95  | 100 | 100 | 90  | 85  | 91  | 90  | 97  | 96  | 93  | 90  | 87  | 85  | 90              |
| 14              | 87                  | 91  | 90  | 92  | 100 | 100 | 87  | 80  | 70  | 68  | 60  | 64  | 65  | 62  | 53  | 50  | 45  | 50  | 48  | 50  | 60  | 58  | 61  | 63  | 69              |
| 15              | 60                  | 62  | 64  | 63  | 63  | 61  | 60  | 65  | 55  | 46  | 48  | 44  | 42  | 48  | 46  | 42  | 46  | 54  | 57  | 57  | 70  | 80  | 90  | 95  | 59              |
| 16              | 94                  | 94  | 91  | 97  | 97  | 96  | 94  | 100 | 98  | 100 | 100 | 91  | 96  | 95  | 98  | 95  | 98  | 98  | 98  | 98  | 97  | 97  | 90  | 88  | 96              |
| 17              | 99                  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 90  | 91  | 91  | 85  | 86  | 86  | 96              |
| 18              | 82                  | 87  | 81  | 87  | 76  | 75  | 82  | 68  | 63  | 60  | 70  | 79  | 65  | 59  | 53  | 58  | 60  | 60  | 61  | 60  | 62  | 70  | -69 | 73  | 69              |
| 19              | 70                  | 65  | 60  | 62  | 58  | 55  | 54  | 54  | 56  | 48  | 47  | 41  | 40  | 42  | 45  | 49  | 50  | 63  | 80  | 72  | 75  | 80  | 77  | 80  | 59              |
| 20              | 80                  | 78  | 81  | 78  | 78  | 73  | 70  | 70  | 56  | 50  | 50  | 50  | 45  | 38  | 34  | 41  | 43  | 40  | 40  | 41  | 48  | 52  | 55  | 50  | 56              |
| 2 inci<br>onluk | 794                 | 803 | 788 | 831 | 829 | 837 | 813 | 786 | 733 | 697 | 701 | 693 | 688 | 668 | 646 | 644 | 673 | 701 | 730 | 733 | 759 | 778 | 775 | 783 | 75              |
| 21              | 50                  | 50  | 54  | 54  | 60  | 68  | 80  | 90  | 85  | 95  | 90  | 85  | 76  | 78  | 69  | 72  | 80  | 73  | 78  | 80  | 88  | 85  | 93  | 100 | 76              |
| 22              | 100                 | 100 | 100 | 100 | 100 | 100 | 87  | 82  | 81  | 80  | 95  | 100 | 92  | 96  | 98  | 98  | 98  | 99  | 100 | 100 | 100 | 100 | 100 | 100 | 96              |
| 23              | 100                 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 83  | 80  | 73  | 81  | 77  | 75  | 78  | 82  | 91  | 94  | 92  | 95  | 94  | 96  | 91              |
| 24              | 98                  | 92  | 96  | 97  | 100 | 100 | 100 | 100 | 85  | 93  | 86  | 84  | 74  | 68  | 62  | 57  | 63  | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100             |
| 25              | 100                 | 100 | 99  | 99  | 98  | 98  | 97  | 97  | 97  | 77  | 65  | 63  | 62  | 60  | 71  | 72  | 81  | 90  | 90  | 90  | 91  | 92  | 92  | 95  | 86              |
| 26              | 96                  | 93  | 96  | 95  | 98  | 97  | 97  | 99  | 80  | 75  | 84  | 77  | 78  | 84  | 88  | 85  | 87  | 86  | 100 | 91  | 89  | 94  | 100 | 100 | 90              |
| 27              | 100                 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95  | 96  | 98  | 97  | 96  | 95  | 92  | 91  | 91  | 90  | 92  | 92  | 94  | 93  | 94  | 96              |
| 28              | 95                  | 97  | 97  | 100 | 98  | 97  | 96  | 91  | 82  | 80  | 80  | 73  | 70  | 74  | 70  | 68  | 67  | 73  | 82  | 87  | 93  | 90  | 90  | 93  | 85              |
| 29              | 94                  | 91  | 92  | 92  | 96  | 93  | 89  | 82  | 75  | 65  | 60  | 64  | 56  | 50  | 45  | 48  | 36  | 40  | 43  | 44  | 42  | 44  | 46  | 46  | 64              |
| 30              | 53                  | 58  | 57  | 58  | 60  | 63  | 60  | 58  | 54  | 50  | 48  | 45  | 43  | 45  | 52  | 40  | 38  | 32  | 46  | 49  | 55  | 56  | 59  | 57  | 52              |
| 3 inci<br>onluk | 886                 | 881 | 891 | 895 | 910 | 916 | 906 | 899 | 839 | 810 | 787 | 769 | 721 | 732 | 732 | 705 | 723 | 747 | 808 | 821 | 838 | 851 | 865 | 881 | 83              |

SAAT — HEURE

| Gün<br>Jour    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | Vasatı<br>Moyen |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|
| 1              | 55  | 69  | 60  | 65  | 57  | 60  | 61  | 65  | 65  | 60  | 53  | 45  | 56  | 41  | 55  | 58  | 54  | 57  | 59  | 63  | 79  | 80  | 89  | 72  | 62              |
| 2              | 85  | 83  | 90  | 90  | 88  | 83  | 79  | 86  | 100 | 95  | 95  | 80  | 82  | 77  | 70  | 68  | 71  | 80  | 80  | 90  | 91  | 100 | 100 | 97  | 86              |
| 3              | 96  | 95  | 100 | 100 | 99  | 99  | 97  | 95  | 86  | 97  | 94  | 95  | 92  | 95  | 94  | 91  | 88  | 90  | 89  | 90  | 94  | 93  | 93  | 95  | 94              |
| 4              | 94  | 94  | 96  | 96  | 95  | 94  | 95  | 93  | 92  | 93  | 100 | 100 | 100 | 97  | 98  | 98  | 92  | 90  | 92  | 93  | 93  | 92  | 94  | 97  | 95              |
| 5              | 94  | 96  | 95  | 93  | 95  | 94  | 90  | 70  | 75  | 70  | 67  | 64  | 63  | 62  | 60  | 61  | 67  | 64  | 70  | 76  | 82  | 80  | 95  | 98  | 78              |
| 6              | 95  | 90  | 88  | 97  | 82  | 78  | 81  | 80  | 72  | 75  | 70  | 67  | 65  | 60  | 58  | 55  | 66  | 61  | 68  | 77  | 82  | 89  | 91  | 90  | 77              |
| 7              | 91  | 91  | 95  | 96  | 94  | 90  | 83  | 77  | 71  | 67  | 55  | 55  | 51  | 59  | 50  | 55  | 50  | 53  | 56  | 53  | 52  | 55  | 64  | 57  | 68              |
| 8              | 66  | 70  | 73  | 74  | 68  | 72  | 75  | 76  | 68  | 60  | 51  | 55  | 55  | 55  | 54  | 57  | 53  | 61  | 67  | 65  | 65  | 65  | 72  | 61  | 64              |
| 9              | 62  | 66  | 64  | 65  | 67  | 69  | 70  | 67  | 58  | 57  | 59  | 63  | 70  | 73  | 84  | 78  | 80  | 83  | 95  | 93  | 96  | 96  | 96  | 98  | 75              |
| 10             | 95  | 95  | 97  | 95  | 94  | 90  | 72  | 63  | 62  | 60  | 58  | 56  | 53  | 54  | 52  | 57  | 58  | 68  | 80  | 76  | 82  | 88  | 93  | 90  | 74              |
| 1inci<br>onluk | 833 | 849 | 858 | 871 | 839 | 829 | 803 | 772 | 749 | 731 | 702 | 680 | 687 | 673 | 675 | 678 | 682 | 707 | 756 | 776 | 813 | 838 | 887 | 855 | 77              |
| 11             | 88  | 85  | 90  | 82  | 72  | 73  | 74  | 67  | 50  | 47  | 55  | 48  | 53  | 45  | 39  | 30  | 34  | 38  | 42  | 49  | 62  | 75  | 78  | 70  | 60              |
| 12             | 70  | 70  | 76  | 83  | 83  | 81  | 75  | 78  | 66  | 74  | 70  | 73  | 74  | 76  | 92  | 94  | 100 | 100 | 95  | 94  | 100 | 100 | 100 | 100 | 84              |
| 13             | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 80  | 76  | 67  | 64  | 66  | 70  | 76  | 78  | 79  | 83  | 85  | 88              |
| 14             | 95  | 94  | 100 | 100 | 99  | 99  | 99  | 99  | 99  | 98  | 98  | 97  | 97  | 97  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 98              |
| 15             | ?   | ?   | ?   | ?   | ?   | ?   | 80  | 64  | 60  | 46  | 45  | 45  | 66  | 59  | 56  | 61  | 54  | 51  | 80  | 85  | 85  | 98  | 95  | 98  | 68              |
| 16             | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 62  | 54  | 50  | 49  | 48  | 45  | 42  | 45  | 45  | 49  | 50  | 50  | 52  | 60  | 63  | 50  | 68              |
| 17             | 70  | 70  | 76  | 81  | 85  | 87  | 79  | 71  | 66  | 66  | 60  | 55  | 53  | 57  | 41  | 40  | 40  | 45  | 47  | 48  | 41  | 53  | 52  | 58  | 60              |
| 18             | 51  | 53  | 55  | 56  | 58  | 55  | 61  | 56  | 50  | 53  | 52  | 47  | 46  | 39  | 39  | 39  | 35  | 39  | 43  | 45  | 50  | 59  | 56  | 54  | 50              |
| 19             | 55  | 54  | 55  | 54  | 59  | 61  | 63  | 61  | 53  | 50  | 49  | 50  | 48  | 40  | 36  | 33  | 34  | 40  | 43  | 55  | 45  | 48  | 49  | 51  | 49              |
| 20             | 53  | 48  | 50  | 54  | 64  | 61  | 58  | 60  | 57  | 51  | 47  | 44  | 43  | 35  | 33  | 32  | 26  | 27  | 32  | 15  | 58  | 45  | 35  | 30  | 46              |
| 2inci<br>onluk | 682 | 674 | 702 | 710 | 720 | 717 | 789 | 756 | 663 | 642 | 626 | 608 | 608 | 569 | 448 | 438 | 433 | 459 | 508 | 549 | 605 | 621 | 613 | 619 | 66              |
| 21             | 35  | 45  | 80  | 100 | 93  | 95  | 85  | 78  | 82  | 81  | 76  | 74  | 78  | 83  | 85  | 80  | 85  | 90  | 93  | 94  | 95  | 94  | 94  | 93  | 83              |
| 22             | 100 | 96  | 97  | 96  | 95  | 90  | 83  | 73  | 63  | 53  | 50  | 48  | 47  | 46  | 40  | 43  | 32  | 40  | 45  | 47  | 47  | 56  | 55  | 60  | 83              |
| 23             | 85  | 78  | 75  | 83  | 91  | 83  | 78  | 70  | 61  | 55  | 45  | 50  | 45  | 11  | 36  | 40  | 41  | 40  | 50  | 63  | 59  | 60  | 56  | 57  | 60              |
| 24             | 64  | 57  | 56  | 57  | 61  | 59  | 57  | 56  | 60  | 57  | 53  | 40  | 40  | 45  | 46  | 46  | 48  | 48  | 50  | 60  | 85  | 85  | 85  | 75  | 58              |
| 25             | 80  | 83  | 85  | 100 | 85  | 84  | 84  | 70  | 73  | 70  | 61  | 56  | 53  | 50  | 48  | 47  | 55  | 55  | 63  | 77  | 60  | 58  | 70  | 81  | 69              |
| 26             | 83  | 81  | 84  | 80  | 80  | 82  | 74  | 71  | 71  | 66  | 60  | 36  | 30  | 71  | 73  | 71  | 70  | 66  | 75  | 90  | 100 | 98  | 96  | 96  | 79              |
| 27             | 80  | 82  | 84  | 88  | 100 | 90  | 79  | 75  | 70  | 65  | 54  | 51  | 55  | 53  | 48  | 38  | 37  | 48  | 57  | 65  | 77  | 75  | 70  | 60  | 67              |
| 28             | 55  | 67  | 72  | 73  | 77  | 80  | 75  | 71  | 68  | 66  | 80  | 66  | 75  | 63  | 57  | 45  | 48  | 50  | 58  | 67  | 65  | 73  | 75  | 75  | 67              |
| 29             | 73  | 73  | 70  | 70  | 70  | 71  | 72  | 70  | 65  | 58  | 55  | 53  | 47  | 39  | 37  | 32  | 35  | 45  | 50  | 53  | 52  | 64  | 63  | 59  | 57              |
| 30             | 55  | 48  | 60  | 100 | 100 | 91  | 81  | 70  | 60  | 71  | 65  | 65  | 65  | 67  | 64  | 45  | 38  | 50  | 60  | 55  | 78  | 55  | 50  | 45  | 65              |
| 31             | 46  | 48  | 48  | 85  | 70  | 78  | 69  | 60  | 55  | 45  | 42  | 47  | 46  | 42  | 48  | 40  | 40  | 40  | 49  | 52  | 61  | 53  | 56  | 67  | 54              |
| 3inci<br>onluk | 756 | 758 | 811 | 932 | 922 | 903 | 840 | 764 | 728 | 687 | 641 | 636 | 631 | 600 | 582 | 527 | 559 | 574 | 655 | 743 | 779 | 771 | 770 | 768 | 66              |
| Vasatı         | 76  | 76  | 79  | 84  | 83  | 82  | 78  | 74  | 69  | 67  | 64  | 62  | 62  | 59  | 57  | 55  | 55  | 58  | 64  | 69  | 73  | 74  | 76  | 75  | 70              |

## S A A T — H E U R E

| Gün<br>Jour     | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | Vasatı<br>Moyen |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|
| 1               | 82  | 66  | 81  | 78  | 72  | 76  | 75  | 75  | 70  | 65  | 60  | 64  | 65  | 56  | 64  | 61  | 53  | 50  | 60  | 71  | 68  | 72  | 77  | 77  | 68              |
| 2               | 75  | 70  | 60  | 47  | 40  | 55  | 62  | 62  | 55  | 48  | 43  | 31  | 33  | 33  | 34  | 35  | 45  | 60  | 73  | 80  | 85  | 85  | 75  | 80  | 56              |
| 3               | 80  | 65  | 55  | 51  | 48  | 56  | 55  | 50  | 50  | 53  | 51  | 44  | 48  | 43  | 39  | 40  | 37  | 38  | 70  | 85  | 82  | 93  | 80  | 80  | 59              |
| 4               | 80  | 93  | 100 | 100 | 95  | 91  | 89  | 75  | 65  | 55  | 63  | 60  | 60  | 52  | 55  | 55  | 53  | 52  | 65  | 73  | 82  | 88  | 86  | 83  | 74              |
| 5               | 81  | 85  | 75  | 94  | 100 | 95  | 84  | 68  | 58  | 52  | 51  | 47  | 45  | 56  | 66  | 70  | 71  | 70  | 80  | 89  | 92  | 95  | 95  | 94  | 76              |
| 6               | 92  | 93  | 93  | 94  | 95  | 93  | 83  | 70  | 60  | 50  | 45  | 40  | 37  | 34  | 44  | 46  | 48  | 53  | 70  | 84  | 90  | 90  | 85  | 88  | 70              |
| 7               | 95  | 95  | 95  | 95  | 96  | 95  | 88  | 65  | 50  | 49  | 45  | 45  | 49  | 48  | 50  | 50  | 56  | 67  | 80  | 94  | 92  | 93  | 91  | 88  | 74              |
| 8               | 94  | 93  | 97  | 97  | 97  | 97  | 75  | 70  | 68  | 55  | 53  | 61  | 61  | 57  | 53  | 56  | 52  | 60  | 67  | 88  | 86  | 90  | 92  | 96  | 77              |
| 9               | 95  | 95  | 97  | 97  | 97  | 94  | 88  | 78  | 75  | 66  | 63  | 63  | 64  | 62  | 65  | 70  | 75  | 78  | 83  | 92  | 92  | 92  | 92  | 94  | 82              |
| 10              | 91  | 90  | 89  | 88  | 87  | 82  | 78  | 79  | 74  | 71  | 70  | 58  | 58  | 66  | 61  | 67  | 67  | 70  | 76  | 76  | 77  | 81  | 84  | 85  | 76              |
| 1 inci<br>onluk | 865 | 845 | 842 | 844 | 827 | 837 | 778 | 697 | 627 | 577 | 546 | 508 | 520 | 510 | 531 | 550 | 559 | 618 | 724 | 832 | 846 | 879 | 857 | 865 | 71              |
| 11              | 80  | 84  | 90  | 90  | 89  | 85  | 72  | 57  | 52  | 52  | 51  | 45  | 41  | 44  | 47  | 51  | 53  | 57  | 68  | 78  | 82  | 88  | 84  | 86  | 68              |
| 12              | 85  | 85  | 87  | 88  | 87  | 88  | 70  | 50  | 42  | 37  | 40  | 55  | 46  | 50  | 53  | 55  | 59  | 59  | 65  | 89  | 91  | 94  | 91  | 100 | 69              |
| 13              | 100 | 100 | 100 | 100 | 100 | 100 | 94  | 76  | 66  | 61  | 55  | 50  | 40  | 37  | 37  | 44  | 51  | 50  | 57  | 69  | 69  | 63  | 67  | 62  | 65              |
| 14              | 66  | 67  | 63  | 60  | 67  | 67  | 59  | 56  | 52  | 51  | 47  | 40  | 44  | 42  | 40  | 38  | 38  | 44  | 50  | 59  | 60  | 63  | 72  | 65  | 55              |
| 15              | 60  | 60  | 57  | 72  | 76  | 75  | 57  | 55  | 46  | 50  | 49  | 42  | 37  | 35  | 20  | 20  | 26  | 50  | 60  | 58  | 60  | 60  | 60  | 60  | 52              |
| 16              | 62  | 64  | 65  | 77  | 80  | 82  | 56  | 50  | 75  | 75  | 75  | 70  | 65  | 57  | 72  | 100 | 100 | 100 | 87  | 96  | 94  | 85  | 88  | 89  | 78              |
| 17              | 90  | 93  | 92  | 86  | 88  | 80  | 79  | 84  | 77  | 67  | 65  | 63  | 66  | 64  | 63  | 60  | 62  | 64  | 67  | 72  | 72  | 74  | 75  | 85  | 75              |
| 18              | 81  | 80  | 92  | 93  | 91  | 84  | 80  | 68  | 60  | 55  | 57  | 57  | 57  | 59  | 59  | 59  | 51  | 56  | 63  | 75  | 81  | 82  | 82  | 82  | 71              |
| 19              | 85  | 88  | 82  | 76  | 85  | 74  | 78  | 75  | 50  | 60  | 50  | 50  | 53  | 47  | 53  | 54  | 55  | 61  | 65  | 74  | 78  | 75  | 75  | 77  | 68              |
| 20              | 77  | 77  | 76  | 75  | 76  | 74  | 68  | 65  | 62  | 58  | 56  | 56  | 55  | 51  | 50  | 53  | 56  | 60  | 65  | 74  | 74  | 76  | 78  | 80  | 66              |
| 2 inci<br>onluk | 786 | 798 | 804 | 817 | 839 | 809 | 713 | 636 | 582 | 566 | 545 | 528 | 504 | 486 | 494 | 554 | 551 | 601 | 647 | 744 | 761 | 760 | 767 | 791 | 67              |
| 21              | 81  | 87  | 86  | 86  | 88  | 82  | 63  | 48  | 50  | 51  | 48  | 45  | 50  | 57  | 60  | 61  | 62  | 65  | 75  | 87  | 95  | 96  | 98  | 100 | 72              |
| 22              | 100 | 100 | 100 | 100 | 95  | 92  | 90  | 71  | 64  | 47  | 45  | 55  | 43  | 51  | 43  | 40  | 42  | 42  | 46  | 57  | 77  | 85  | 90  | 93  | 70              |
| 23              | 94  | 94  | 96  | 95  | 97  | 94  | 82  | 75  | 65  | 55  | 42  | 40  | 43  | 46  | 39  | 41  | 47  | 56  | 66  | 75  | 83  | 87  | 78  | 85  | 70              |
| 24              | 93  | 100 | 100 | 100 | 97  | 90  | 80  | 76  | 72  | 60  | 55  | 48  | 45  | 49  | 53  | 42  | 40  | 42  | 48  | 58  | 63  | 67  | 75  | 75  | 68              |
| 25              | 60  | 70  | 95  | 100 | 100 | 80  | 87  | 85  | 75  | 74  | 72  | 71  | 68  | 72  | 50  | 43  | 50  | 60  | 75  | 89  | 89  | 91  | 95  | 97  | 77              |
| 26              | 95  | 94  | 94  | 95  | 95  | 90  | 82  | 70  | 60  | 60  | 60  | 52  | 50  | 54  | 45  | 54  | 63  | 66  | 77  | 88  | 89  | 89  | 89  | 92  | 75              |
| 27              | 93  | 94  | 93  | 93  | 90  | 90  | 82  | 70  | 60  | 45  | 47  | 43  | 46  | 42  | 48  | 55  | 61  | 66  | 87  | 86  | 87  | 88  | 88  | 86  | 72              |
| 28              | 88  | 92  | 90  | 93  | 95  | 95  | 89  | 73  | 69  | 66  | 65  | 63  | 55  | 54  | 70  | 63  | 65  | 75  | 90  | 92  | 90  | 96  | 96  | 95  | 79              |
| 29              | 94  | 98  | 96  | 96  | 95  | 93  | 90  | 75  | 72  | 61  | 72  | 72  | 79  | 68  | 60  | 60  | 60  | 63  | 73  | 88  | 91  | 90  | 90  | 93  | 80              |
| 30              | 93  | 95  | 97  | 96  | 94  | 90  | 85  | 78  | 70  | 72  | 72  | 58  | 60  | 63  | 54  | 50  | 55  | 57  | 63  | 83  | 87  | 90  | 92  | 94  | 77              |
| 3 inci<br>onluk | 891 | 924 | 947 | 954 | 946 | 896 | 830 | 721 | 657 | 591 | 578 | 547 | 539 | 556 | 522 | 509 | 543 | 582 | 678 | 801 | 853 | 879 | 891 | 910 | 74              |

## Teressübat — Précipitation

Nisan 1938 — Avril 1938

| in<br>ur | S A A T — H E U R E |     |     |                           |      |       |       |       |       |       |       |       | Yekûn<br>m/m | Devam<br>müddeti<br>Durée |
|----------|---------------------|-----|-----|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|--------------|---------------------------|
|          | 0-2                 | 2-4 | 4-6 | 6-8                       | 8-10 | 10-12 | 12-14 | 14-16 | 16-18 | 18-20 | 20-22 | 22-24 |              |                           |
| 1        | —                   | —   | —   | ← Çok ince hafif yağmur → |      |       | —     | —     | —     | —     | —     | —     | 0.1          | —                         |
| 5        | 1.5                 | 1.5 | 0.9 | 1.3                       | 0.5  | 0.2   | —     | —     | 2.2   | 1.0   | 1.4   | 0.4   | 10.9         | 14 30                     |
| 6        | —                   | 0.3 | 1.7 | 0.7                       | 0.5  | 0.6   | 0.8   | 0.1   | 0.9   | 2.6   | 1.1   | 1.6   | 13.9         | 19 00                     |
| 7        | 0.6                 | 0.2 | 0.1 | —                         | —    | —     | —     | —     | —     | —     | —     | —     | 0.9          | 3 30                      |
| 9        | —                   | —   | —   | —                         | —    | —     | —     | 0.1   | 0.4   | 0.5   | 3.0   | 0.2   | 4.2          | 3 10                      |
| 0        | 0.4                 | 0.6 | 0.3 | —                         | —    | —     | —     | —     | —     | —     | —     | —     | 1.3          | 4 30                      |
| 2        | 0.2                 | 0.3 | —   | —                         | —    | —     | —     | —     | —     | —     | —     | —     | 0.5          | 2 15                      |
| 3        | —                   | —   | 4.8 | 5.3                       | 4.0  | 0.8   | 1.0   | 0.2   | 0.2   | 0.9   | 0.4   | —     | 17.6         | 17 30                     |
| 6        | —                   | —   | —   | 0.1                       | 1.3  | 0.6   | 0.1   | 0.2   | 0.2   | 0.8   | —     | —     | 3.3          | 8 00                      |
| 7        | 0.9                 | 1.6 | 1.8 | 2.2                       | 1.4  | 0.8   | 1.6   | 1.8   | 0.5   | —     | —     | —     | 12.6         | 15 30                     |
| 0        | —                   | 0.2 | —   | —                         | —    | —     | —     | —     | —     | —     | —     | —     | 0.2          | 0 15                      |
| 1        | —                   | —   | —   | 1.8                       | 0.3  | 1.7   | 0.5   | 0.5   | 1.7   | —     | —     | —     | 6.5          | 10 30                     |
| 2        | —                   | —   | —   | —                         | —    | 0.2   | 0.8   | —     | —     | —     | 0.3   | 0.2   | 1.5          | 4 15                      |
| 3        | 0.3                 | 0.1 | 0.2 | —                         | —    | —     | —     | —     | —     | —     | —     | —     | 0.6          | 5 00                      |
| 7        | —                   | —   | 0.3 | 1.0                       | —    | 0.1   | —     | —     | —     | —     | —     | —     | 1.4          | 3 15                      |
| ün       | —                   | —   | —   | —                         | —    | —     | —     | —     | —     | —     | —     | —     | 75.5         | —                         |
|          | 6                   | 8   | 8   | 7                         | 7    | 8     | 6     | 6     | 7     | 6     | 8     | —     |              |                           |

## Mayıs 1938 — Mai 1938

|    |     |     |     |     |     |      |     |     |     |   |     |     |      |       |
|----|-----|-----|-----|-----|-----|------|-----|-----|-----|---|-----|-----|------|-------|
| 2  | 0.7 | —   | —   | —   | 0.2 | 2.1  | —   | —   | —   | — | —   | —   | 3.0  | 1 15  |
| 2  | —   | 1.5 | 7.1 | 5.4 | 0.7 | 6.7  | 3.5 | 0.7 | —   | — | 4.3 | 1.7 | 31.6 | 15 15 |
| 2  | 2.5 | 1.2 | 0.6 | 0.3 | 0.6 | 3.6  | 1.0 | —   | —   | — | —   | —   | 9.8  | 7 00  |
| 2  | —   | 0.2 | 0.3 | 1.0 | 0.2 | —    | —   | —   | —   | — | —   | —   | 1.7  | 3 15  |
| 2  | —   | —   | —   | —   | —   | —    | —   | —   | —   | — | 0.3 | 0.2 | 0.5  | 1 30  |
| 3  | —   | 0.1 | 0.2 | 0.8 | 0.2 | 0.2  | 0.2 | —   | —   | — | —   | —   | 1.7  | 9 00  |
| 4  | —   | 0.4 | 1.1 | 0.5 | 0.6 | 0.1  | 0.1 | —   | 0.1 | — | —   | —   | 2.9  | 3 30  |
| 4  | —   | —   | —   | —   | —   | —    | —   | —   | —   | — | 0.3 | 0.2 | 0.5  | 0 15  |
| ün | 3.2 | 3.4 | 9.3 | 8.0 | 2.5 | 12.7 | 4.8 | 0.7 | 0.1 | — | 4.9 | 2.1 | 51.7 | 46/30 |

## Haziran 1938 — Juin 1938

|   |   |   |   |   |   |   |   |      |     |   |   |     |      |      |
|---|---|---|---|---|---|---|---|------|-----|---|---|-----|------|------|
| 6 | — | — | — | — | — | — | — | 19.6 | 7.5 | — | — | 0.9 | 28.0 | 2/15 |
|---|---|---|---|---|---|---|---|------|-----|---|---|-----|------|------|

## S A A T — H E U R E

Gün  
Jour

|    | 1      | 2      | 3     | 4      | 5      | 6     | 7     | 8     | 9     | 10    | 11     | 12  |
|----|--------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-----|
| 1  | SSW 8  | SSW 9  | SSW 8 | SSW 5  | SSW 7  | SSW 7 | SSW 7 | SSW 6 | SSW 5 | SSW 7 | SSW 7  | SSW |
| 2  | SSW 5  | SSW 5  | SSW 5 | SSW 7  | SSW 6  | SSW 7 | SSW 5 | SSW 4 | SSW 4 | SSW 3 | SSW 3  | SSW |
| 3  | S 4    | S 5    | S 4   | S 4    | S 4    | S 4   | S 4   | S 4   | SSW 6 | SSW 7 | SSW 8  | SSW |
| 4  | SSW 9  | SSW 12 | SSW 8 | SSW 12 | S 12   | S 11  | S 15  | S 15  | S 14  | S 16  | SSW 16 | SSW |
| 5  | N 6    | NNW 7  | NNW 7 | N 5    | N 6    | NW 5  | NW 8  | NW 6  | N 9   | N 7   | N 9    | N   |
| 6  | NNE 7  | NNE 7  | N 8   | N 6    | N 9    | N 9   | N 6   | N 7   | N 7   | N 7   | NNE 8  | NNE |
| 7  | N 9    | N 6    | N 6   | N 6    | N 5    | N 2   | NE 1  | NE 1  | SE 2  | NNE 1 | NW 0   | NNW |
| 8  | SEE 1  | SEE 1  | SEE 2 | SEE 3  | SE 4   | SE 3  | SE 3  | S 5   | S 6   | SSW 6 | SSW 5  | SSW |
| 9  | S 3    | S 4    | S 4   | S 3    | S 4    | S 3   | S 4   | S 5   | S 7   | SSW 7 | SSW 5  | SSW |
| 10 | NW 5   | NW 5   | NW 7  | NW 2   | NW 2   | NW 2  | NW 1  | W 1   | SSW 2 | SW 2  | SW 2   | SSW |
| 11 | E 6    | E 2    | NNE 3 | NNE 5  | NNE 4  | NNE 5 | NE 6  | E 8   | E 7   | NNE 5 | NNE 7  | NNE |
| 12 | N 7    | N 5    | N 7   | NNE 7  | NNE 7  | NNE 7 | NNE 7 | NNE 8 | NNE 6 | NNE 8 | NNE 7  | NNE |
| 13 | NNE 13 | NNE 10 | NE 9  | NNE 12 | NNE 11 | NE 9  | NE 9  | NEE 6 | NE 9  | NNE 7 | NNE 6  | NNE |
| 14 | N 1    | N 0    | N 1   | N 0    | N 0    | N 0   | N 0   | NNW 0 | SWW 2 | SW 3  | SSW 4  | SSW |
| 15 | SSE 1  | SE 3   | SE 2  | SE 2   | SE 1   | SE 2  | SE 1  | SE 1  | SE 1  | SW 1  | SW 2   | SW  |
| 16 | NNE 6  | NNE 8  | N 8   | N 8    | N 8    | N 7   | N 7   | N 7   | N 8   | N 7   | N 9    | N   |
| 17 | N 10   | N 10   | N 11  | N 10   | N 9    | NW 9  | N 13  | N 11  | NW 11 | NNW 9 | NNW 8  | NW  |
| 18 | NW 3   | NW 2   | NW 2  | SWW 1  | NNW 2  | NNW 1 | SSW 2 | SW 1  | SW 1  | SSW 2 | SSW 2  | SSW |
| 19 | SEE 3  | SEE 4  | SEE 4 | SEE 3  | SEE 3  | SEE 2 | SSE 1 | SE 0  | S 1   | S 2   | S 2    | SSW |
| 20 | SEE 2  | SE 2   | SSE 1 | SEE 4  | SE 3   | SSE 4 | SE 5  | SE 4  | SE 6  | SSE 8 | SSE 7  | SSE |
| 21 | SSW 1  | S 1    | S 2   | S 1    | S 3    | S 5   | S 6   | S 4   | S 3   | S 3   | S 3    | SSE |
| 22 | N 8    | N 8    | N 8   | N 7    | N 7    | N 7   | N 9   | N 8   | N 10  | N 10  | N 7    | N   |
| 23 | NNW 2  | NNW 1  | NNW 3 | NNW 0  | NNW 0  | NNW 0 | NNW 0 | NNW 0 | NNW 0 | NNW 0 | NNW 1  | NNW |
| 24 | E 1    | SE 0   | S 0   | SEE 0  | SEE 0  | SEE 0 | SEE 0 | SEE 0 | S 1   | S 3   | SSW 2  | S   |
| 25 | N 4    | N 4    | N 3   | N 3    | N 5    | NNE 5 | NE 7  | NE 7  | NNE 8 | NNE 6 | NNE 7  | NNE |
| 26 | NEE 2  | NE 4   | NE 4  | NE 3   | NE 4   | NE 4  | NNE 1 | NNE 4 | NNE 4 | NE 3  | N 5    | N   |
| 27 | N 4    | N 5    | N 6   | N 4    | N 6    | N 4   | N 5   | N 5   | N 5   | N 5   | N 6    | N   |
| 28 | NNW 2  | NNW 1  | NNW 3 | NNW 2  | NNW 3  | NNW 3 | NNW 3 | NNW 4 | NNW 2 | NNW 4 | NNW 4  | NNW |
| 29 | E 0    | E 0    | E 0   | E 0    | E 0    | E 0   | E 0   | SSE 0 | S 1   | SSW 1 | SSW 2  | SSW |
| 30 | SEE 2  | SEE 3  | SEE 1 | SEE 0  | SEE 0  | SEE 1 | SEE 0 | SE 1  | SE 1  | SSW 0 | SSW 1  | SSW |

ent

Nisan 1938 — Avril 1938

| S A A T — H E U R E |        |        |        |        |        |        |       |        |        |        |                    | Gün<br>Jour |
|---------------------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------------------|-------------|
| 13                  | 14     | 15     | 16     | 17     | 18     | 19     | 20    | 21     | 22     | 23     | 24                 |             |
| V 6 SSW 8           | SSW 9  | SSW 10 | SSW 10 | SSW 12 | SSW 9  | SSW 10 | SSW 8 | SSW 6  | SSW 7  | SSW 7  |                    | 1           |
| V 2 SSW 4           | SSW 3  | SSW 2  | SSW 2  | S 2    | S 3    | S 2    | S 3   | S 3    | S 1    | S 3    |                    | 2           |
| V 6 SSW 7           | SSW 6  | SSW 6  | SSW 4  | SSW 5  | SSW 5  | SSW 6  | S 5   | S 5    | S 5    | SSW 10 |                    | 3           |
| V 13 SSW 7          | SSW 8  | SSW 5  | SW 5   | SSW 3  | SW 4   | SWW 0  | W 2   | W 3    | W 3    | N 7    |                    | 4           |
| 7 NNE 7             | NNE 8  | NNE 8  | NNE 9  | NNE 7  | NNE 8  | NNE 6  | NNE 6 | NNE 7  | NNE 7  | NNE 9  |                    | 5           |
| NE 8 NNE 13         | NNE 12 | NNE 10 | NNE 11 | NNE 10 | N 12   | N 11   | N 11  | N 8    | N 12   | N 8    |                    | 6           |
| NW 4 NNW 5          | NW 6   | NW 5   | NNW 4  | NNW 4  | NE 2   | E 3    | SEE 2 | SEE 3  | SEE 1  | SEE 1  |                    | 7           |
| V 6 SSW 6           | SSW 6  | SSW 4  | SSW 2  | SSW 2  | S 3    | S 3    | S 1   | S 3    | S 3    | S 4    |                    | 8           |
| NW 5 NNW 6          | NNW 8  | N 7    | N 6    | NNW 5  | NNW 5  | NWW 5  | NNW 5 | NWW 3  | NWW 4  | NWW 4  |                    | 9           |
| V 4 NW 0            | SSW 0  | S 3    | SE 2   | E 3    | E 4    | NE 3   | NE 5  | NEE 4  | NEE 4  | NNE 3  |                    | 10          |
| NE 8 NNE 7          | NNE 9  | NNE 10 | NNE 8  | NNE 9  | NNE 6  | NNE 5  | NNE 8 | NNE 8  | NNE 8  | NNE 8  |                    | 11          |
| NE 9 NNE 12         | NNE 10 | NNE 14 | NNE 13 | NNE 11 | NNE 10 | NNE 10 | NNE 9 | NNE 12 | NNE 14 | NNE 13 |                    | 12          |
| 8 N 9               | N 7    | N 7    | NNW 6  | NNW 5  | NNW 6  | N 3    | N 3   | N 3    | N 3    | N 4    |                    | 13          |
| V 5 SW 3            | SSW 4  | SW 4   | SW 2   | SSW 3  | S 2    | S 1    | S 0   | S 1    | S 0    | SSE 2  |                    | 14          |
| NW 3 NNW 5          | NNW 5  | NE 6   | NE 5   | NE 7   | NE 4   | NE 4   | NE 4  | NNE 3  | NNE 3  | NNE 4  |                    | 15          |
| 9 N 9               | N 10   | N 12   | N 9    | N 8    | N 11   | N 10   | N 10  | N 11   | N 11   | N 8    |                    | 16          |
| VW 11 NW 10         | NNW 9  | NNW 6  | NNW 5  | NNW 5  | NNW 3  | NW 1   | SWW 2 | SWW 2  | SW 2   | SWW 2  |                    | 17          |
| V 5 SSW 4           | SSW 3  | SSW 3  | SSW 2  | SSW 0  | SSW 0  | SE 0   | SE 0  | SE 1   | SEE 5  | SEE 4  |                    | 18          |
| 1 SSW 2             | SSW 4  | SSW 3  | SEE 5  | SSE 7  | SSW 3  | SW 1   | SSE 1 | SEE 1  | SE 0   | SE 3   |                    | 19          |
| 5 SE 6              | SE 6   | SE 5   | SE 5   | SE 6   | SE 7   | SSE 7  | S 9   | S 4    | SSW 4  | SSW 3  |                    | 20          |
| 0 SSE 0             | S 2    | SSE 4  | SSE 5  | SSE 5  | SSE 3  | SSW 3  | SWW 1 | SWW 0  | S 0    | NNW 7  |                    | 21          |
| 7 N 7               | N 7    | N 8    | N 5    | N 5    | N 5    | N 4    | N 5   | N 4    | N 2    | N 1    |                    | 22          |
| NW 3 NNW 5          | NNW 5  | NNW 4  | NNW 4  | NNW 3  | NNE 4  | E 5    | E 5   | E 3    | E 3    | E 4    |                    | 23          |
| V 3 SSW 3           | SSW 3  | S 3    | S 2    | N 3    | N 8    | N 6    | N 6   | N 4    | N 5    | N 4    |                    | 24          |
| NE 8 NNE 10         | NNE 9  | NNE 7  | NNE 7  | NNE 9  | N 9    | N 9    | N 7   | N 5    | N 8    | NEE 4  |                    | 25          |
| 6 NNE 8             | NNE 7  | NNE 7  | NNE 7  | N 6    | N 6    | N 6    | NNE 4 | NNE 6  | NNE 5  | NNE 5  |                    | 26          |
| 5 NNW 5             | NNW 4  | NNW 5  | N 6    | N 5    | N 6    | N 5    | N 4   | N 4    | N 1    | N 1    |                    | 27          |
| NW 2 NNW 5          | NNW 6  | NNW 4  | NNW 4  | NNW 2  | E 3    | E 1    | E 0   | E 1    | E 0    | E 0    |                    | 28          |
| V 2 SW 2            | NNW 3  | NNW 4  | N 4    | NE 5   | NE 3   | E 4    | E 5   | E 6    | E 6    | E 5    |                    | 29          |
| V 0 SSW 0           | SW 0   | SW 0   | SSW 0  | SSW 0  | SEE 0  | SEE 0  | SE 0  | SE 0   | SEE 0  | SEE 0  |                    | 30          |
| NW                  | NW     | NNW    | N      | N      | NE     | NE     | NE    | NE     | NEE    | NE     | Calip<br>istikamet |             |

| Gün<br>Jour        | S A A T — H E U R E |       |       |       |       |       |       |       |       |       |       |     |
|--------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                    | 1                   | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12  |
| 1                  | SEE 0               | SSW 0 | SEE 0 | SE 0  | NEE 0 | NEE 0 | NE 0  | NE 0  | NE 0  | NE 0  | NEE 0 | SSW |
| 2                  | SEE 0               | NNW 0 | NNW 0 | N 0   | W 0   | W 0   | SWW 0 | S 0   | S 8   | S 4   | SSW 5 | SSW |
| 3                  | SW 4                | SW 5  | SWW 5 | NWW 4 | NWW 4 | NWW 3 | NWW 2 | W 1   | W 1   | S 4   | S 4   | S   |
| 4                  | SSW 3               | SSW 3 | SSW 3 | SSW 3 | SSW 3 | SSW 6 | SSW 5 | SSW 4 | SSW 3 | SW 2  | NNW 5 | NNW |
| 5                  | N 3                 | N 1   | N 3   | N 2   | N 2   | N 1   | NNE 0 | E 2   | NW 1  | NNW 1 | NNW 3 | NNW |
| 6                  | NW 11               | NW 9  | N 7   | N 6   | NNE 5 | NNE 4 | NNE 4 | NNE 5 | NEE 3 | NEE 3 | E 2   | N   |
| 7                  | NNE 2               | NNE 1 | NNE 2 | NNE 0 | NE 0  | SEE 0 | SEE 0 | SEE 0 | SEE 0 | NNW 0 | SW 2  | SSW |
| 8                  | S 0                 | S 0   | S 0   | SSE 1 | SSE 1 | S 1   | S 0   | SSE 1 | SSW 2 | SSW 2 | SSW 3 | SSW |
| 9                  | W 4                 | NWW 2 | N 2   | N 4   | NNE 2 | NNE 2 | NNW 3 | NNW 6 | NNW 6 | NNW 7 | N 7   | N   |
| 10                 | NNE 7               | NNE 8 | NE 7  | NE 5  | NE 7  | NE 5  | NE 4  | NNE 6 | NNE 7 | NNE 7 | NNE 8 | NNE |
| 11                 | SE 1                | NE 2  | S 2   | SEE 5 | SE 4  | SEE 0 | SEE 2 | SE 2  | SE 0  | SW 0  | SSW 2 | SSE |
| 12                 | SSW 1               | SWW 4 | SWW 3 | NNW 2 | NNW 0 | NNW 0 | S 0   | SSW 2 | SSW 3 | N 1   | N 4   | N   |
| 13                 | NNW 4               | NNW 5 | NNW 5 | NNW 7 | NNW 7 | NNW 5 | NNW 7 | NNW 7 | NNW 8 | NNW 8 | NNW 8 | N   |
| 14                 | N 4                 | N 4   | N 2   | N 3   | N 5   | N 4   | N 4   | N 5   | N 5   | N 5   | N 5   | NE  |
| 15                 | N 5                 | N 5   | N 5   | N 7   | N 7   | N 5   | NE 6  | NE 8  | NE 8  | NE 7  | NE 9  | NE  |
| 16                 | E 3                 | E 2   | E 3   | E 3   | E 2   | E 2   | E 1   | E 0   | E 0   | E 2   | SW 5  | SW  |
| 17                 | SW 0                | SW 0  | SW 1  | SW 0  | SW 0  | SW 0  | SW 0  | SW 0  | SW 3  | SW 2  | SW 4  | SW  |
| 18                 | SE 1                | E 0   | E 0   | E 0   | E 0   | E 0   | E 0   | E 0   | E 0   | E 0   | SE 2  | S   |
| 19                 | SE 2                | E 0   | E 0   | E 0   | E 0   | E 2   | E 0   | E 0   | SE 2  | S 3   | SW 4  | SW  |
| 20                 | SE 2                | E 0   | E 0   | E 0   | E 2   | SE 1  | SE 0  | SE 0  | SE 0  | SW 3  | SWW 2 | W   |
| 21                 | NE 3                | NNE 2 | NNE 4 | N 4   | N 4   | N 3   | N 3   | N 4   | N 5   | NNW 6 | N 7   | N   |
| 22                 | E 4                 | E 3   | N 0   | N 2   | N 2   | N 1   | NNE 1 | NNE 0 | SW 1  | NNW 0 | SSW 0 | SSW |
| 23                 | S 3                 | S 3   | S 3   | S 4   | S 4   | S 4   | SSW 6 | SSW 6 | SSW 6 | SSW 6 | SSW 4 | SSW |
| 24                 | E 3                 | NEE 3 | NEE 6 | NEE 5 | NEE 4 | NE 5  | E 1   | SEE 5 | SSE 2 | SSE 0 | SSE 1 | S   |
| 25                 | SW 4                | SWW 4 | SSW 5 | SW 5  | SW 4  | SW 3  | SSW 5 | SSW 5 | SSW 6 | SSW 6 | SSW 8 | SSW |
| 26                 | SSE 3               | S 5   | S 5   | S 6   | SSW 6 | SSW 6 | SSW 7 | SSW 7 | SSW 7 | NNW 6 | SW 6  | SSW |
| 27                 | NNW 2               | NNW 3 | NNW 0 | NEE 0 | NEE 1 | SE 3  | S 3   | S 5   | S 4   | SSW 5 | S 5   | S   |
| 28                 | SW 1                | SW 2  | SSW 3 | SSW 2 | SSW 2 | SSW 2 | SSW 1 | SSW 2 | SW 2  | SW 2  | SW 3  | SW  |
| 29                 | SEE 0               | SEE 0 | SEE 0 | SEE 1 | SEE 2 | SEE 0 | SEE 0 | S 0   | S 1   | SSW 1 | SSW 2 | SSW |
| 30                 | SE 1                | SE 0  | SE 0  | NNW 7 | NNW 3 | NE 2  | N 1   | W 0   | NNW 1 | N 6   | NNW 4 | NNW |
| 31                 | E 2                 | NE 2  | NE 3  | NNE 3 | NE 4  | NEE 5 | NEE 3 | NEE 1 | N 0   | NW 0  | NNW 2 | NNW |
| Galip<br>istikamet | SE                  | NNE   | NEE   | NE    | NE    | NEE   | E     | SE    | S     | W     | SWW   | SW  |

Mayıs 1938 — Mai 1938

| S A A T — H E U R E |       |       |       |       |       |       |       |       |       |       |                    | Gün<br>Jour |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------------|
| 3                   | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24                 |             |
| 0 SW 1              | N 4   | N 0   | N 5   | NNE 1 | NNE 2 | N 3   | NNE 0 | NEE 0 | N 1   | NEE 0 |                    | 1           |
| 9 SSW 6             | SSW 7 | SSW 6 | SSW 4 | SW 3  | SW 2  | SSW 3 | SSW 6 | SSW 6 | SSW 5 | SSW 5 |                    | 2           |
| 3 SW 0              | S 2   | SW 2  | SW 2  | S 2   | S 2   | SSW 3 | SSW 5 | SSW 3 | S 3   | S 3   |                    | 3           |
| W 7 NW 4            | NW 4  | N 5   | N 4   | N 4   | N 3   | N 2   | N 1   | N 0   | NEE 1 | NW 1  |                    | 4           |
| W 4 NNW 5           | NNW 5 | NNW 3 | NNW 4 | NE 4  | E 3   | E 5   | E 3   | W 2   | NW 7  | NW 0  |                    | 5           |
| 3 NEE 3             | NNE 3 | N 3   | N 3   | NE 4  | NE 4  | NNE 4 | NE 4  | NEE 2 | NE 2  | NE 2  |                    | 6           |
| 2 SSW 2             | SSW 2 | SSW 2 | SSW 1 | SSW 1 | S 1   | S 0   | S 1   | SSW 0 | SW 3  | S 0   |                    | 7           |
| 5 SSW 4             | SSW 3 | SSW 3 | SSW 3 | S 4   | S 4   | S 1   | SW 2  | S 4   | S 4   | SW 5  |                    | 8           |
| 9 N 8               | N 8   | N 8   | NNE 8 | NNE 7 | NNE 7 | NNE 5 | NNE 6 | NNE 6 | NNE 7 | NNE 7 |                    | 9           |
| E 9 NNE 7           | NNE 6 | NNE 7 | NNE 6 | N 4   | N 3   | NNE 6 | N 4   | N 2   | N 2   | NEE 1 |                    | 10          |
| 1 SSW 0             | S 0   | SW 1  | SE 4  | SE 4  | SE 4  | SE 2  | S 6   | SSW 7 | SW 6  | SWW 4 |                    | 11          |
| 6 N 7               | NNW 8 | NNW 7 | NNW 7 | NNW 7 | NNW 7 | NNW 4 | NNW 5 | NWW 4 | NW 5  | N 4   |                    | 12          |
| 9 N 10              | N 7   | N 8   | N 9   | N 8   | N 5   | N 3   | N 4   | N 2   | N 2   | N 2   |                    | 13          |
| 4 NE 6              | N 4   | N 6   | N 7   | N 7   | N 7   | N 6   | N 7   | N 6   | N 5   | N 4   |                    | 14          |
| 7 NE 6              | NE 7  | NE 6  | NE 5  | NE 5  | E 3   | E 1   | E 2   | E 3   | E 2   | E 2   |                    | 15          |
| 7 SW 5              | SW 4  | SW 4  | SW 3  | SW 2  | SW 2  | SW 2  | SW 1  | SW 2  | SW 1  | SW 0  |                    | 16          |
| 3 SW 4              | SW 1  | SW 2  | SW 3  | SW 2  | SW 2  | SW 4  | S 3   | S 2   | S 1   | SE 2  |                    | 17          |
| 2 SW 1              | SW 3  | SW 3  | SW 4  | SW 4  | SW 5  | SW 5  | SW 4  | SW 0  | S 1   | SE 2  |                    | 18          |
| 3 SW 2              | SW 2  | SW 2  | SW 2  | SW 0  | SW 3  | SW 2  | SW 6  | SW 4  | SW 2  | SE 0  |                    | 19          |
| 2 NWW 5             | N 3   | N 5   | NNE 5 | N 5   | NEE 5 | NEE 6 | NEE 6 | NEE 6 | NEE 6 | NEE 5 |                    | 20          |
| 9 N 9               | N 9   | N 8   | N 7   | N 8   | N 7   | N 5   | NNW 4 | N 4   | N 2   | NEE 5 |                    | 21          |
| X 2 SSW 2           | SSW 2 | SSW 3 | SSW 0 | SSW 0 | SW 1  | SSW 1 | SSW 1 | SW 2  | SW 2  | SW 3  |                    | 22          |
| X 3 SSW 2           | SSW 3 | SSW 1 | SSW 0 | SSW 0 | W 2   | NEE 4 | NEE 5 | E 5   | E 2   | E 2   |                    | 23          |
| 3 SSE 3             | SSE 3 | SSE 2 | N 0   | NNW 3 | SW 0  | SSW 3 | S 3   | SW 4  | SW 2  | W 6   |                    | 24          |
| X 7 SSW 6           | SSW 6 | SSW 4 | SW 6  | SW 4  | SSW 6 | SSW 5 | SW 6  | W 8   | SSW 4 | SSW 3 |                    | 25          |
| X 3 SSW 3           | SSW 6 | SSW 3 | SSW 3 | SSW 4 | SSW 3 | S 4   | S 4   | S 4   | S 4   | SWW 3 |                    | 26          |
| X 6 SSW 5           | SSW 5 | SSW 3 | SSW 3 | SSW 2 | SSW 3 | S 2   | S 1   | S 0   | NWW 0 | SW 1  |                    | 27          |
| X 1 SW 0            | NNW 2 | NNW 4 | NNW 3 | NNE 3 | E 4   | E 4   | SEE 4 | SEE 5 | SE 3  | SEE 1 |                    | 28          |
| X 3 SSW 3           | SSW 2 | SSW 2 | SSW 3 | SSW 2 | SEE 0 | SEE 2 | SEE 9 | SEE 6 | SEE 5 | SEE 6 |                    | 29          |
| W 7 NNW 6           | N 4   | N 5   | N 6   | NNE 5 | NNE 3 | NEE 4 | NE 3  | NE 4  | E 4   | E 2   |                    | 30          |
| W 0 NNW 6           | NNW 5 | NNW 4 | NNW 3 | E 4   | E 3   | SEE 5 | SE 5  | S 2   | S 1   | S 0   |                    | 31          |
| SWW                 | W     | W     | NNW   | NWW   | SSE   | SE    | SE    | S     | S     | SE    | Galip<br>istikamet |             |

| Gün<br>Jour        | S A A T — H E U R E |       |       |       |       |       |        |        |        |        |        |       |
|--------------------|---------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|
|                    | 1                   | 2     | 3     | 4     | 5     | 6     | 7      | 8      | 9      | 10     | 11     | 12    |
| 1                  | NWW 6               | NWW 6 | NNW 9 | NNW 8 | NNW 7 | NW 7  | N 8    | N 7    | NNW 8  | NNW 6  | NNW 7  | NNW   |
| 2                  | SEE 3               | SEE 2 | SEE 2 | E 1   | NEE 1 | NNE 1 | NNE 1  | N 2    | N 2    | N 3    | NNW 4  | NNW   |
| 3                  | NNE 0               | NNE 0 | NEE 9 | NEE 0 | NEE 0 | E 0   | SEE 0  | S 0    | SWW 0  | S 0    | NNW 1  | NNW   |
| 4                  | NNE 2               | NNE 2 | NNE 4 | NNE 3 | NE 2  | NEE 1 | N 2    | N 2    | N 3    | N 6    | N 7    | N     |
| 5                  | NNE 2               | NNE 5 | NNE 4 | NNE 4 | NNE 4 | NNE 4 | NNE 5  | NNE 6  | NNE 8  | NNE 7  | NNE 7  | NNE   |
| 6                  | NNE 5               | NNE 5 | NNE 5 | NNE 5 | NNE 5 | NNE 4 | NE 5   | NNE 6  | NNE 6  | NNE 7  | NNE 8  | NNE   |
| 7                  | NNE 4               | NNE 4 | NNE 3 | NNE 3 | NNE 2 | NNE 1 | N 2    | NNE 5  | NNE 6  | N 7    | N 7    | N     |
| 8                  | NNE 4               | NNE 4 | NNE 4 | NNE 3 | NNE 4 | N 3   | N 2    | NNW 3  | NNW 4  | NNW 3  | NNW 5  | NNW   |
| 9                  | NE 3                | NE 2  | NE 2  | NE 2  | NE 2  | NE 3  | NNE 4  | NNE 4  | NNE 4  | NNE 5  | NE 6   | N     |
| 10                 | NNE 4               | NNE 4 | NNE 5 | NNE 6 | NNE 5 | NNE 4 | NNE 5  | N 5    | N 5    | N 7    | NNE 4  | NNE   |
| 11                 | NNE 6               | NNE 7 | NNE 5 | NNE 2 | NNE 7 | NNE 8 | NNE 8  | NNE 9  | NNE 11 | NNE 9  | NNE 11 | NNE   |
| 12                 | NE 5                | NE 4  | NE 3  | NE 3  | NE 4  | NE 2  | NNE 3  | NNE 6  | NE 6   | NNE 6  | N 7    | N     |
| 13                 | SEE 0               | SEE 0 | NE 0  | NNE 0 | NNE 1 | NNE 1 | NNE 0  | N 0    | SW 1   | SW 1   | SW 1   | NWW   |
| 14                 | SEE 6               | SE 3  | E 0   | NNE 1 | NNE 0 | NEE 1 | NEE 0  | NEE 0  | SW 0   | SSW 2  | S 3    | S     |
| 15                 | SEE 3               | SEE 0 | SEE 0 | SEE 0 | SEE 0 | SEE 0 | SSE 0  | SSE 1  | SSE 2  | SSE 1  | SW 2   | SW    |
| 16                 | SE 0                | S 2   | S 1   | SSW 3 | S 3   | SWW 4 | W 2    | N 3    | N 5    | N 6    | N 7    | N     |
| 17                 | W 3                 | NW 5  | NW 5  | NNW 6 | NNW 4 | NNW 6 | NNW 6  | NNW 6  | NNW 8  | NNW 9  | NNW 8  | NNW   |
| 18                 | NE 3                | NE 3  | NNE 3 | N 2   | N 1   | N 0   | N 1    | N 3    | N 3    | N 5    | N 5    | N     |
| 19                 | NNE 2               | NNE 3 | SEE 4 | NNE 4 | NE 2  | NE 4  | NNE 2  | NNE 3  | NNE 5  | NNE 5  | N 5    | N     |
| 20                 | NNE 7               | NNE 8 | NNE 7 | NNE 7 | NNE 6 | NNE 6 | NNE 10 | NNE 12 | NNE 11 | NNE 11 | NNE 12 | NNE 1 |
| 21                 | NNE 4               | NNE 6 | NE 5  | NE 4  | NE 4  | NNE 5 | NNE 7  | NE 8   | NNE 8  | NNE 9  | NNE 8  | NNE   |
| 22                 | N 2                 | NNE 3 | NNE 4 | NNE 4 | NNE 3 | NNE 3 | NNE 4  | NNE 5  | NNE 5  | NNE 8  | NNE 9  | NNE   |
| 23                 | NNE 4               | NNE 5 | NNE 5 | NNE 4 | NNE 2 | NNE 2 | NNE 5  | N 5    | N 6    | NEE 5  | NE 6   | NE    |
| 24                 | NE 3                | NEE 4 | NE 4  | NE 4  | NE 4  | NE 4  | E 3    | N 2    | N 3    | N 5    | N 7    | N     |
| 25                 | NEE 7               | NE 6  | NE 4  | NE 4  | NE 6  | NNE 4 | N 4    | N 5    | N 6    | N 7    | N 6    | N     |
| 26                 | NNE 5               | NNE 4 | NNE 5 | NNE 5 | NNE 5 | NNE 4 | NNE 3  | NNE 6  | NNE 6  | NNE 7  | NNE 7  | NNE   |
| 27                 | NNE 5               | NNE 5 | NNE 5 | NNE 5 | NNE 4 | NNE 4 | NNE 6  | NNE 6  | NNE 7  | NNE 6  | NNE 7  | NNE   |
| 28                 | NE 4                | E 5   | NE 3  | NE 3  | NNE 2 | NNE 4 | N 2    | N 6    | N 4    | N 6    | N 6    | N     |
| 29                 | NNE 5               | NNE 3 | NNE 4 | NNE 5 | NNE 5 | NNE 4 | N 4    | N 5    | N 6    | N 5    | NNW 7  | NNE   |
| 30                 | NNE 6               | NNE 6 | NNE 4 | NNE 5 | NNE 4 | NNE 5 | NNE 5  | NNE 7  | NNE 5  | N 6    | N 6    | NNE   |
| Galip<br>istikamet | NE                  | NE    | NE    | NNE   | NNE   | NNE   | N      | NNE    | N      | N      | N      | N     |

Haziran 1938 — Juin 1938

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| S A A T — H E U R E |        |        |        |        |        |       |        |       |       |       |       | Gün<br>Jour        |
|---------------------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|--------------------|
| 3                   | 14     | 15     | 16     | 17     | 18     | 19    | 20     | 21    | 22    | 23    | 24    |                    |
| W 7                 | NNW 8  | NNW 7  | N 7    | N 6    | NW 5   | NW 3  | NW 3   | NW 2  | NW 3  | SEE 2 | SEE 3 | 1                  |
| W 5                 | NNW 6  | NNW 5  | NNW 5  | NNW 4  | NNW 3  | NNE 0 | NEE 11 | E 0   | E 0   | E 0   | NNE 0 | 2                  |
| W 1                 | NNW 1  | NNW 0  | NNW 1  | NW 4   | NNW 4  | NNE 4 | NNE 11 | NNE 4 | NE 11 | NE 3  | NNE 3 | 3                  |
| 6                   | NNE 9  | NNE 8  | NNE 8  | NNE 8  | NNE 7  | NNE 7 | NNE 5  | NNE 4 | NNE 4 | NNE 4 | NNE 4 | 4                  |
| 9                   | NNW 5  | NW 5   | N 5    | N 5    | N 6    | NNE 6 | NNE 4  | NNE 3 | NNE 4 | NNE 4 | NNE 3 | 5                  |
| E 9                 | NNE 9  | NNE 9  | NNE 8  | NNE 9  | NNE 9  | NNE 5 | NNE 4  | NNE 5 | NNE 4 | NNE 5 | NNE 4 | 6                  |
| 7                   | N 6    | N 0    | N 9    | N 6    | N 7    | N 6   | N 4    | N 3   | N 4   | N 5   | NNE 5 | 7                  |
| W 5                 | NWW 7  | N 8    | NNE 6  | NNE 6  | NNE 6  | NE 5  | NE 4   | NE 2  | NE 1  | NE 3  | NE 1  | 8                  |
| 7                   | N 7    | N 7    | N 7    | N 6    | N 5    | NNE 5 | NNE 4  | NE 3  | NE 3  | NE 3  | NE 2  | 9                  |
| E 9                 | NNE 8  | NNE 10 | NNE 9  | NNE 10 | NNE 11 | NNE 9 | NNE 8  | NNE 7 | NNE 8 | NNE 5 | NNE 5 | 10                 |
| E 12                | NNE 10 | NNE 12 | NNE 8  | NNE 7  | NNE 7  | NNE 5 | NNE 6  | NNE 4 | NNE 5 | NNE 5 | NNE 3 | 11                 |
| 6                   | N 5    | N 5    | N 6    | N 4    | N 3    | N 2   | NNE 3  | NNE 2 | NNE 1 | NEE 2 | E 1   | 12                 |
| 5                   | N 5    | N 5    | N 4    | N 4    | NNE 4  | NE 2  | SEE 2  | SEE 3 | SEE 4 | SEE 5 | SEE 5 | 13                 |
| 5                   | N 6    | N 4    | NE 3   | NE 4   | E 6    | E 4   | E 4    | E 5   | NEE 2 | NNE 2 | E 2   | 14                 |
| 3                   | SW 1   | SW 2   | SSW    | SWW 2  | N 0    | NEE 2 | SEE 2  | SEE 5 | SE 1  | SE 1  | SE 0  | 15                 |
| W 6                 | NNW 7  | NNW 10 | NNW 10 | NNW 6  | NE 6   | SSW 1 | SSW 4  | SWW 3 | SW 2  | SWW 4 | NWW 3 | 16                 |
| W 8                 | NNW 8  | NNW 7  | NNW 7  | NNW 7  | NNW 5  | NE 4  | NE 5   | NE 4  | NE 3  | NE 4  | NNE 3 | 17                 |
| 5                   | N 6    | N 5    | N 5    | N 5    | NNE 6  | NNE 5 | NE 3   | NNE 3 | NNE 4 | NE 3  | NE 3  | 18                 |
| E 7                 | NNE 9  | NNE 10 | NNE 9  | NNE 9  | NNE 9  | NNE 6 | NNE 5  | NNE 7 | NNE 7 | NNE 7 | NNE 7 | 19                 |
| E 13                | NNE 13 | NNE 12 | NNE 12 | NNE 10 | NNE 11 | NNE 7 | NNE 7  | NNE 6 | NNE 5 | NE 5  | NE 4  | 20                 |
| E 10                | NNE 9  | NNE 9  | NNE 8  | NNE 7  | NNE 6  | NNE 6 | NNE 5  | NE 4  | NE 4  | NNE 2 | N 2   | 21                 |
| E 8                 | NNE 8  | NNE 8  | NNE 9  | NNE 8  | NNE 8  | NNE 5 | NNE 6  | NNE 4 | NNE 3 | NNE 2 | NNE 3 | 22                 |
| E 7                 | NNE 9  | NNE 9  | NNE 8  | NE 7   | NE 10  | NE 7  | NEE 7  | NE 7  | E 5   | NEE 1 | NEE 4 | 23                 |
| 6                   | N 6    | N 7    | NNE 7  | NE 7   | NE 8   | NE 8  | E 7    | NEE 6 | NE 5  | NE 5  | E 4   | 24                 |
| W 6                 | N 6    | NNE 5  | NNE 5  | NNE 4  | NNE 4  | NNE 3 | NNE 4  | NNE 3 | NNE 2 | NNE 2 | NNE 4 | 25                 |
| E 9                 | NNE 9  | NNE 9  | NNE 8  | NNE 8  | NNE 7  | NNE 7 | NNE 6  | NNE 6 | NNE 6 | NNE 6 | NNE 4 | 26                 |
| E 7                 | NNE 9  | NNE 9  | NNE 9  | NNE 8  | NNE 8  | NNE 7 | NNE 5  | NNE 5 | NNE 4 | NNE 5 | NNE 5 | 27                 |
| E 6                 | N 7    | N 6    | N 6    | NNE 8  | NNE 7  | NNE 7 | NNE 5  | NNE 5 | NNE 4 | NNE 4 | NNE 4 | 28                 |
| W 8                 | NNW 9  | NNE 7  | NNE 9  | NNE 9  | NNE 9  | NNE 5 | NNE 7  | NNE 6 | NNE 6 | NNE 7 | NNE 7 | 29                 |
| E 8                 | NNE 9  | NNE 9  | NNE 9  | NNE 9  | NNE 5  | NNE 6 | NNE 6  | NNE 6 | NNE 6 | NNE 4 | NNE 4 | 30                 |
|                     | N      | N      | N      | NNE    | NNE    | NNE   | NE     | NNE   | NNE   | NE    | NE    | Calip<br>istikamet |

| Gün<br>Jour     | S A A T — H E U R E |     |      |      |      |       |       |       |       |       |       |       |       |       |       | Yekûn<br>Total |
|-----------------|---------------------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|                 | 5-6                 | 6-7 | 7-8  | 8-9  | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 |       |                |
| 1               | —                   | —   | —    | —    | —    | —     | —     | —     | 0.3   | 0.4   | 0.7   | 0.9   | 0.2   | —     | 2.5   |                |
| 2               | —                   | —   | —    | —    | —    | —     | —     | 0.1   | 0.9   | 0.5   | 1.0   | 0.2   | 0.5   | —     | 3.2   |                |
| 3               | —                   | 0.7 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | —     | 11.6  |                |
| 4               | —                   | —   | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | 0.1   | —     | 10.0  |                |
| 5               | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 6               | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 7               | —                   | 0.5 | 0.2  | —    | —    | —     | —     | 0.2   | 0.6   | 0.7   | 1.0   | 0.4   | 1.0   | 0.1   | 4.7   |                |
| 8               | —                   | 0.3 | 0.8  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 11.1  |                |
| 9               | —                   | 0.4 | 1.0  | 1.0  | 1.0  | 0.2   | 0.2   | 0.1   | 0.5   | 1.0   | 0.7   | —     | —     | —     | 6.1   |                |
| 10              | —                   | 0.6 | 1.0  | 0.9  | 0.4  | 0.5   | 0.6   | 0.4   | 0.3   | 0.2   | 0.3   | 0.1   | —     | —     | 5.3   |                |
| 1 inci<br>onluk | —                   | 2.5 | 5.0  | 4.9  | 4.4  | 3.7   | 3.8   | 3.8   | 5.6   | 5.8   | 6.7   | 4.5   | 3.7   | 0.1   | 54.5  |                |
| 11              | —                   | 0.1 | 1.0  | 1.0  | 1.0  | 0.5   | 0.5   | 0.2   | 0.6   | —     | —     | —     | —     | —     | 4.9   |                |
| 12              | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | 0.4   | —     | 0.4   |                |
| 13              | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 14              | —                   | 0.5 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | —     | 11.4  |                |
| 15              | —                   | —   | —    | 0.7  | 0.8  | 1.0   | 1.0   | 0.7   | 1.0   | 1.0   | 0.9   | 0.3   | 0.2   | —     | 7.6   |                |
| 16              | —                   | 0.5 | 0.1  | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.6   |                |
| 17              | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 18              | —                   | 0.3 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | —     | —     | 9.5   |                |
| 19              | —                   | —   | 0.1  | —    | 0.1  | —     | —     | —     | 0.2   | —     | —     | —     | —     | —     | 0.4   |                |
| 20              | —                   | —   | —    | —    | 0.5  | 0.1   | 0.3   | —     | —     | —     | —     | —     | —     | —     | 0.9   |                |
| 2 inci<br>onluk | —                   | 1.4 | 3.2  | 3.7  | 4.4  | 3.6   | 3.8   | 2.9   | 3.8   | 3.0   | 2.9   | 1.5   | 1.5   | —     | 35.7  |                |
| 21              | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 22              | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 23              | —                   | —   | —    | —    | —    | —     | —     | 0.2   | 0.1   | 0.9   | 1.0   | 1.0   | 1.0   | 0.5   | 4.7   |                |
| 24              | —                   | —   | —    | 0.3  | 0.3  | 0.8   | 0.7   | 1.0   | 1.0   | 1.0   | 0.5   | 0.6   | 0.7   | —     | 6.9   |                |
| 25              | —                   | —   | —    | —    | 0.7  | 1.0   | 1.0   | 1.0   | 0.8   | 0.1   | 0.2   | 0.4   | 0.3   | —     | 5.5   |                |
| 26              | —                   | —   | —    | —    | —    | —     | 0.2   | —     | —     | —     | —     | —     | —     | —     | 0.2   |                |
| 27              | —                   | —   | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0   |                |
| 28              | —                   | —   | —    | —    | 0.2  | 0.2   | —     | —     | 0.2   | 0.1   | 0.6   | 1.0   | 1.0   | 0.5   | 3.8   |                |
| 29              | —                   | 0.5 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.6   | 12.1  |                |
| 30              | —                   | 0.7 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 0.9   | 0.7   | 0.1   | —     | 10.2  |                |
| 3 üncü<br>onluk | —                   | 1.2 | 2.0  | 2.3  | 3.2  | 4.0   | 3.9   | 4.2   | 4.1   | 3.9   | 4.2   | 4.7   | 4.1   | 1.6   | 43.4  |                |
| Yekûn           | —                   | 5.1 | 10.2 | 10.9 | 12.0 | 11.3  | 11.5  | 10.9  | 13.5  | 12.7  | 13.8  | 10.7  | 9.3   | 1.7   | 133.6 |                |

## Teşemmüs — Insolation

Mayıs 1938 — Mai 1938

| Gün<br>Jour  | S A A T — H E U R E |      |      |      |      |       |       |       |       |       |       |       |       |       | Yekûn<br>Total |
|--------------|---------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|              | 5-6                 | 6-7  | 7-8  | 8-9  | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 |                |
| 1            | —                   | —    | —    | —    | 0.4  | 0.5   | 0.9   | 0.4   | 0.3   | 0.5   | 0.7   | —     | —     | —     | 3.7            |
| 2            | —                   | 0.5  | 0.6  | —    | —    | —     | —     | —     | 0.9   | —     | —     | —     | —     | —     | 2.0            |
| 3            | —                   | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0            |
| 4            | —                   | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 0.0            |
| 5            | —                   | 0.2  | 0.8  | 0.5  | —    | 0.5   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.5   | 9.5            |
| 6            | —                   | —    | —    | —    | —    | —     | —     | —     | —     | 1.0   | 1.0   | 1.0   | 1.0   | 0.7   | 4.7            |
| 7            | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 12.6           |
| 8            | —                   | 0.7  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.7   | 12.4           |
| 9            | —                   | 0.7  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.7   | 12.4           |
| 10           | —                   | 0.8  | 1.0  | 0.5  | 0.1  | 0.3   | 1.0   | 1.0   | 0.4   | 0.3   | —     | —     | —     | —     | 5.4            |
| inci<br>nluk | —                   | 3.7  | 5.4  | 4.0  | 3.5  | 4.3   | 5.9   | 5.4   | 5.6   | 5.8   | 5.7   | 5.0   | 5.0   | 3.4   | 62.7           |
| 11           | —                   | —    | 0.2  | 1.0  | 0.9  | 0.4   | 0.4   | 0.5   | 1.0   | 1.0   | 1.0   | 0.9   | 0.6   | 0.1   | 8.0            |
| 12           | —                   | 0.9  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 0.9   | 1.0   | 0.7   | —     | —     | —     | —     | 8.5            |
| 13           | —                   | —    | —    | —    | —    | —     | —     | —     | 0.2   | 0.9   | 0.5   | 1.0   | 1.0   | 0.7   | 4.3            |
| 14           | —                   | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —              |
| 15           | —                   | 0.9  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.6   | 12.5           |
| 16           | —                   | 0.5  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | 0.1   | 0.1   | 10.6           |
| 17           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 12.6           |
| 18           | —                   | 0.9  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 12.7           |
| 19           | —                   | 0.9  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | 12.8           |
| 20           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 12.8           |
| inci<br>nluk | —                   | 5.7  | 7.2  | 8.0  | 7.9  | 7.4   | 7.4   | 7.4   | 8.2   | 8.6   | 7.5   | 7.8   | 6.7   | 5.0   | 94.8           |
| 21           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 0.7   | 0.6   | 0.2   | 0.4   | —     | —     | 8.7            |
| 22           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.5   | 12.3           |
| 23           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 12.6           |
| 24           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | 0.7   | 0.5   | 11.9           |
| 25           | —                   | 0.7  | 1.0  | 1.0  | 0.8  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 12.3           |
| 26           | —                   | 0.7  | 0.6  | 1.0  | 1.0  | 0.4   | —     | 0.3   | 0.1   | 0.5   | 0.7   | 1.0   | 1.0   | 0.6   | 7.9            |
| 27           | —                   | 0.4  | 0.5  | 0.1  | 0.6  | 0.8   | 0.8   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.7   | 9.9            |
| 28           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 0.8   | 0.8   | 0.2   | 1.0   | 0.7   | 1.0   | 1.0   | 1.0   | 0.9   | 11.2           |
| 29           | —                   | 0.7  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | 11.9           |
| 30           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 11.8           |
| 31           | —                   | 0.8  | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | 1.0   | 12.6           |
| üncü<br>nluk | —                   | 8.1  | 10.1 | 10.1 | 10.4 | 10.0  | 9.6   | 9.5   | 9.8   | 9.8   | 9.9   | 10.3  | 9.5   | 6.0   | 123.1          |
| ekûn         | —                   | 17.5 | 22.7 | 22.1 | 21.8 | 21.7  | 22.9  | 22.3  | 23.6  | 24.2  | 23.1  | 23.1  | 21.2  | 14.4  | 280.6          |

| Gün<br>Jour     | S A A T — H E U R E |      |      |      |       |       |       |       |       |       |       |       |       |       | Yekûn<br>Total |
|-----------------|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|                 | 6-7                 | 7-8  | 8-9  | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 |                |
| 1               | —                   | 0.7  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | 11.9           |
| 2               | 0.9                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.1   | 13.0           |
| 3               | 0.6                 | 1.0  | 1.0  | 1.6  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | —     | 12.4           |
| 4               | 0.3                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.8   | —     | 12.1           |
| 5               | 0.8                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.8           |
| 6               | 0.7                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | 12.9           |
| 7               | 0.7                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | 12.9           |
| 8               | 0.8                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | —     | 12.7           |
| 9               | —                   | 0.5  | 0.9  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | —     | 11.3           |
| 10              | 0.7                 | 0.6  | 0.8  | 0.9  | 0.2   | 0.8   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.5   | —     | 10.5           |
| 1 inci<br>onluk | 5.5                 | 8.8  | 9.7  | 9.9  | 9.2   | 9.8   | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 8.9   | 0.7   | 122.5          |
| 11              | 0.9                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.3   | 13.2           |
| 12              | 0.9                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.9           |
| 13              | 0.8                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.1   | 12.9           |
| 14              | 1.0                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.1   | 13.1           |
| 15              | 1.0                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | —     | 12.9           |
| 16              | 1.0                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 0.9   | 0.2   | —     | —     | —     | —     | —     | 8.1            |
| 17              | —                   | —    | —    | 0.5  | 0.5   | 1.0   | 0.8   | 0.7   | 0.9   | 1.0   | 1.0   | 1.0   | 0.9   | —     | 8.3            |
| 18              | 0.9                 | 1.0  | 1.0  | 0.9  | 0.3   | 0.6   | 0.1   | 1.0   | 0.9   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 10.7           |
| 19              | 0.9                 | 0.7  | 0.9  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.5           |
| 20              | 0.4                 | 0.3  | 0.7  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 11.4           |
| 2 inci<br>onluk | 7.8                 | 8.0  | 8.6  | 9.4  | 8.8   | 9.6   | 8.9   | 9.6   | 9.0   | 9.0   | 9.0   | 9.0   | 8.8   | 0.5   | 116.0          |
| 21              | 1.0                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | 13.2           |
| 22              | 1.0                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.2   | 13.2           |
| 23              | 0.8                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.1   | 12.9           |
| 24              | 0.9                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.1   | 13.0           |
| 25              | 0.9                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.6   | —     | 12.5           |
| 26              | 0.6                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.6           |
| 27              | 0.5                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.5           |
| 28              | 0.9                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.9           |
| 29              | 0.6                 | 1.0  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.6           |
| 30              | 0.3                 | 0.8  | 1.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 1.0   | 1.0   | 1.0   | 1.0   | —     | 12.1           |
| 3 üncü<br>onluk | 7.5                 | 9.8  | 10.0 | 10.0 | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 9.6   | 0.6   | 127.5          |
| Yekûn           | 20.8                | 26.6 | 28.3 | 29.3 | 28.0  | 29.4  | 28.9  | 29.6  | 29.0  | 29.0  | 29.0  | 29.0  | 27.3  | 1.8   | 366.0          |

## Toprağın hararet derecesi

Température de la terre

Nisan 1938 — Avril 1938

## DERİNLİK — PROFONDEUR

| ün<br>sur  | — 5 cm. |      |      |                | — 10 cm. |      |      |                | — 20 cm. |      |      |                | — 50 cm. |      |      |                | -1m. | -2m. |
|------------|---------|------|------|----------------|----------|------|------|----------------|----------|------|------|----------------|----------|------|------|----------------|------|------|
|            | 7       | 14   | 21   | Vasatı<br>Moy. | 7        | 14   | 21   | Vasatı<br>Moy. | 7        | 14   | 21   | Vasatı<br>Moy. | 7        | 14   | 21   | Vasatı<br>Moy. | 14   | 14   |
|            |         |      |      |                |          |      |      |                |          |      |      |                |          |      |      |                |      |      |
| 1          | 7.5     | 10.8 | 9.2  | 9.2            | 7.5      | 9.0  | 9.4  | 8.6            | 7.3      | 7.7  | 9.0  | 8.0            | 8.0      | 7.9  | 8.0  | 8.0            | 9.2  | 10.4 |
| 2          | 9.0     | 17.7 | 11.4 | 12.7           | 8.8      | 11.2 | 11.7 | 10.6           | 8.7      | 9.5  | 11.2 | 9.8            | 8.5      | 8.6  | 8.7  | 8.6            | 9.2  | 10.4 |
| 3          | 8.7     | 17.4 | 12.5 | 12.9           | 9.2      | 14.7 | 13.0 | 12.3           | 9.8      | 11.4 | 12.3 | 11.2           | 9.2      | 9.2  | 9.1  | 9.2            | 9.3  | 10.4 |
| 4          | 10.5    | 17.7 | 13.8 | 14.0           | 10.8     | 15.0 | 14.0 | 13.3           | 11.2     | 12.3 | 13.6 | 12.4           | 10.0     | 10.1 | 10.4 | 10.2           | 9.3  | 10.5 |
| 5          | 10.4    | 10.0 | 9.0  | 9.8            | 11.0     | 10.5 | 3.5  | 10.3           | 11.6     | 11.0 | 10.2 | 10.9           | 10.9     | 10.7 | 10.6 | 10.7           | 9.6  | 10.5 |
| 6          | 8.0     | 8.2  | 7.2  | 7.8            | 7.5      | 8.5  | 8.0  | 8.0            | 8.2      | 8.5  | 8.5  | 8.4            | 10.1     | 9.6  | 9.5  | 9.7            | 9.9  | 10.5 |
| 7          | 6.5     | 11.7 | 8.0  | 8.7            | 7.1      | 10.0 | 9.0  | 8.7            | 7.8      | 8.4  | 9.6  | 8.6            | 8.5      | 9.3  | 9.2  | 9.0            | 10.0 | 10.5 |
| 8          | 5.1     | 15.8 | 10.0 | 10.3           | 5.9      | 13.0 | 11.0 | 10.0           | 7.4      | 9.8  | 11.4 | 9.5            | 9.4      | 9.3  | 9.2  | 9.3            | 9.8  | 10.6 |
| 9          | 7.2     | 14.8 | 9.8  | 10.6           | 7.5      | 12.7 | 10.8 | 10.3           | 8.6      | 10.6 | 11.3 | 10.2           | 9.7      | 9.6  | 9.7  | 9.7            | 9.7  | 10.6 |
| 0          | 7.2     | 14.4 | 9.2  | 10.3           | 8.0      | 12.8 | 10.6 | 10.5           | 9.0      | 10.7 | 11.3 | 10.3           | 10.0     | 9.8  | 9.8  | 9.9            | 9.8  | 10.6 |
| nei<br>luk | 8.0     | 13.9 | 10.0 | 10.6           | 8.3      | 11.7 | 10.7 | 10.3           | 9.0      | 10.0 | 10.8 | 9.9            | 9.4      | 9.4  | 9.4  | 9.4            | 9.6  | 10.5 |
| 1          | 6.0     | 13.7 | 9.5  | 9.7            | 6.8      | 12.2 | 10.7 | 9.9            | 8.4      | 10.1 | 11.5 | 10.0           | 10.0     | 9.8  | 9.5  | 9.8            | 9.8  | 10.6 |
| 2          | 8.3     | 9.5  | 7.4  | 8.4            | 8.5      | 9.5  | 8.4  | 8.8            | 9.1      | 9.4  | 9.3  | 9.3            | 9.8      | 9.7  | 9.7  | 9.7            | 9.9  | 10.6 |
| 3          | 4.5     | 6.7  | 6.0  | 5.7            | 5.3      | 6.5  | 6.5  | 6.1            | 6.2      | 6.6  | 7.0  | 6.6            | 9.0      | 8.9  | 8.6  | 8.8            | 9.9  | 10.6 |
| 4          | 4.2     | 16.7 | 10.0 | 10.3           | 4.9      | 13.2 | 11.0 | 9.7            | 6.3      | 9.5  | 11.0 | 8.9            | 8.5      | 8.4  | 8.6  | 8.5            | 9.9  | 10.6 |
| 5          | 7.4     | 19.1 | 11.6 | 12.7           | 7.5      | 15.4 | 12.6 | 11.8           | 8.5      | 11.6 | 12.7 | 11.9           | 8.2      | 9.4  | 9.5  | 9.0            | 10.0 | 10.6 |
| 6          | 9.5     | 10.5 | 8.5  | 9.5            | 9.6      | 10.4 | 9.5  | 9.8            | 10.3     | 10.3 | 10.0 | 10.2           | 10.1     | 10.2 | 10.0 | 10.1           | 9.7  | 10.7 |
| 7          | 7.5     | 10.4 | 9.0  | 9.0            | 8.0      | 10.0 | 9.4  | 9.1            | 8.8      | 9.4  | 9.6  | 9.3            | 9.8      | 9.7  | 9.6  | 9.7            | 9.8  | 10.7 |
| 8          | 7.5     | 19.7 | 13.1 | 13.4           | 8.2      | 16.3 | 14.0 | 12.8           | 9.0      | 12.3 | 13.6 | 11.6           | 9.7      | 9.7  | 10.0 | 9.8            | 9.9  | 10.8 |
| 9          | 10.4    | 19.1 | 14.0 | 14.5           | 10.5     | 16.2 | 14.4 | 13.7           | 11.0     | 13.1 | 14.0 | 12.7           | 10.6     | 10.7 | 10.8 | 10.7           | 10.2 | 10.8 |
| 0          | 13.8    | 18.8 | 16.2 | 16.3           | 13.0     | 17.0 | 16.2 | 15.4           | 12.6     | 14.3 | 15.4 | 14.1           | 11.5     | 11.4 | 11.6 | 11.5           | 10.2 | 10.8 |
| nei<br>luk | 7.9     | 14.4 | 10.5 | 11.0           | 8.2      | 12.7 | 11.3 | 10.7           | 9.0      | 10.7 | 11.4 | 10.4           | 9.7      | 9.8  | 9.8  | 9.8            | 9.9  | 10.7 |
| 1          | 14.6    | 18.2 | 15.5 | 16.1           | 14.5     | 16.7 | 16.0 | 15.7           | 14.3     | 15.0 | 15.5 | 14.9           | 12.1     | 12.3 | 12.5 | 12.3           | 10.4 | 10.8 |
| 2          | 12.0    | 12.4 | 10.7 | 11.7           | 12.5     | 12.6 | 11.5 | 12.2           | 13.2     | 13.0 | 12.3 | 12.8           | 12.6     | 12.6 | 12.5 | 12.6           | 10.7 | 10.8 |
| 3          | 12.5    | 16.8 | 12.8 | 14.0           | 11.5     | 14.8 | 14.1 | 13.5           | 11.4     | 12.5 | 14.0 | 12.6           | 12.0     | 11.8 | 11.8 | 11.9           | 11.0 | 10.9 |
| 4          | 9.5     | 21.6 | 14.5 | 15.2           | 10.0     | 17.8 | 15.5 | 14.4           | 11.3     | 14.0 | 15.5 | 13.6           | 12.0     | 12.0 | 12.0 | 12.0           | 11.2 | 10.9 |
| 5          | 11.3    | 18.9 | 13.3 | 14.5           | 11.8     | 17.0 | 14.3 | 14.4           | 12.8     | 14.4 | 14.7 | 14.0           | 12.5     | 12.4 | 12.5 | 12.5           | 11.3 | 10.9 |
| 6          | 11.6    | 15.9 | 12.3 | 13.3           | 12.0     | 15.3 | 13.0 | 13.4           | 12.8     | 14.0 | 13.6 | 13.5           | 12.8     | 12.6 | 12.5 | 12.6           | 11.4 | 10.9 |
| 7          | 11.0    | 11.6 | 10.6 | 11.1           | 11.1     | 11.6 | 11.3 | 11.3           | 11.8     | 11.8 | 11.8 | 11.8           | 12.5     | 12.3 | 12.2 | 12.3           | 11.5 | 10.9 |
| 8          | 10.3    | 16.6 | 13.0 | 13.3           | 10.5     | 14.5 | 14.0 | 13.0           | 11.0     | 12.7 | 14.0 | 12.6           | 12.0     | 11.8 | 12.0 | 11.9           | 11.6 | 11.0 |
| 9          | 9.8     | 22.5 | 14.0 | 15.4           | 10.0     | 18.7 | 15.5 | 14.7           | 11.3     | 14.6 | 16.0 | 14.0           | 12.2     | 12.1 | 12.4 | 12.2           | 11.6 | 11.3 |
| 0          | 10.7    | 24.2 | 17.0 | 17.3           | 11.0     | 19.9 | 17.8 | 16.2           | 12.4     | 15.5 | 17.4 | 15.1           | 12.9     | 12.8 | 12.8 | 12.8           | 11.8 | 11.3 |
| nei<br>luk | 11.3    | 17.9 | 13.4 | 14.2           | 11.5     | 15.9 | 14.3 | 13.9           | 12.2     | 13.8 | 14.5 | 13.5           | 12.4     | 12.3 | 12.3 | 12.3           | 11.3 | 11.0 |
| satı       | 9.1     | 15.4 | 11.3 | 11.9           | 9.4      | 13.4 | 12.1 | 11.6           | 10.1     | 11.5 | 12.2 | 11.3           | 10.5     | 10.5 | 10.5 | 10.5           | 10.3 | 10.7 |

## Toprağın hararet derecesi

Température de la terre

Mayıs 1938 — Mai 19

## DERİNLİK — PROFONDEUR

| Gün — Jour   |         |      |      |             |          |      |      |             |          |      |      |             |          |      |      |             |      |      |
|--------------|---------|------|------|-------------|----------|------|------|-------------|----------|------|------|-------------|----------|------|------|-------------|------|------|
|              | — 5 cm. |      |      |             | — 10 cm. |      |      |             | — 20 cm. |      |      |             | — 50 cm. |      |      |             | -1m. | -2m. |
|              | 7       | 14   | 21   | Vasatı Moy. | 7        | 14   | 21   | Vasatı Moy. | 7        | 14   | 21   | Vasatı Moy. | 7        | 14   | 21   | Vasatı Moy. | 14   | 1    |
| 1            | 14.0    | 23.1 | 17.4 | 18.2        | 14.5     | 19.8 | 18.2 | 17.5        | 15.0     | 16.8 | 18.0 | 16.6        | 13.6     | 13.6 | 13.5 | 23.6        | 11.8 | 1    |
| 2            | 14.5    | 20.3 | 15.3 | 16.7        | 14.8     | 17.7 | 16.1 | 16.2        | 15.4     | 15.7 | 16.1 | 15.7        | 14.3     | 14.1 | 14.0 | 14.1        | 12.0 | 1    |
| 3            | 13.0    | 14.5 | 13.7 | 13.7        | 13.5     | 14.4 | 14.0 | 14.0        | 14.0     | 14.3 | 14.6 | 14.3        | 14.3     | 14.0 | 14.0 | 14.1        | 12.2 | 1    |
| 4            | 12.5    | 14.0 | 12.8 | 13.1        | 13.3     | 13.8 | 13.2 | 13.4        | 13.6     | 13.7 | 13.6 | 13.6        | 13.8     | 13.6 | 13.5 | 13.6        | 12.5 | 1    |
| 5            | 11.9    | 21.1 | 16.2 | 16.4        | 12.0     | 18.0 | 16.8 | 15.6        | 12.7     | 14.9 | 16.5 | 14.7        | 13.3     | 13.3 | 13.5 | 13.4        | 12.6 | 1    |
| 6            | 12.0    | 15.8 | 13.5 | 13.8        | 12.8     | 15.2 | 14.5 | 14.2        | 12.8     | 14.0 | 14.8 | 13.9        | 12.9     | 13.7 | 13.6 | 13.4        | 12.6 | 1    |
| 7            | 11.4    | 24.5 | 18.8 | 18.2        | 11.5     | 10.3 | 19.2 | 17.0        | 12.6     | 16.0 | 18.4 | 15.7        | 13.7     | 13.5 | 13.7 | 13.6        | 12.7 | 1    |
| 8            | 15.0    | 24.8 | 20.0 | 19.9        | 15.1     | 21.8 | 20.5 | 19.1        | 15.8     | 17.5 | 19.9 | 17.7        | 14.5     | 14.5 | 14.8 | 14.6        | 12.8 | 1    |
| 9            | 15.6    | 22.1 | 17.0 | 18.2        | 16.1     | 20.0 | 18.0 | 18.0        | 16.8     | 18.1 | 18.5 | 17.8        | 15.5     | 15.3 | 15.5 | 15.4        | 12.8 | 1    |
| 10           | 14.0    | 21.0 | 16.8 | 17.3        | 14.5     | 19.0 | 17.4 | 17.0        | 15.5     | 17.0 | 17.6 | 16.7        | 15.5     | 15.3 | 15.2 | 15.3        | 13.2 | 1    |
| 1 inci onluk | 13.4    | 20.1 | 16.2 | 16.6        | 13.8     | 18.0 | 16.8 | 16.2        | 14.4     | 15.8 | 16.8 | 15.7        | 14.1     | 14.1 | 14.1 | 14.1        | 12.5 | 1    |
| 11           | 15.7    | 26.0 | 21.3 | 21.0        | 15.7     | 21.8 | 21.5 | 19.7        | 16.0     | 18.4 | 20.5 | 18.3        | 15.3     | 15.4 | 15.7 | 15.5        | 13.3 | 12   |
| 12           | 16.6    | 24.1 | 18.2 | 19.6        | 17.0     | 21.9 | 18.8 | 19.2        | 17.8     | 19.5 | 19.8 | 19.0        | 16.2     | 16.1 | 16.4 | 16.2        | 13.5 | 12   |
| 13           | 15.0    | 14.2 | 14.5 | 14.6        | 15.7     | 15.3 | 15.2 | 15.4        | 16.7     | 16.1 | 16.0 | 16.3        | 16.5     | 16.3 | 16.0 | 16.3        | 23.8 | 12   |
| 14           | 13.5    | 15.0 | 14.0 | 14.2        | 14.0     | 14.7 | 14.5 | 14.4        | 14.5     | 14.7 | 15.0 | 14.7        | 15.5     | 15.2 | 15.2 | 15.3        | 13.8 | 12   |
| 15           | 13.0    | 21.0 | 15.5 | 16.5        | 13.1     | 17.2 | 17.3 | 15.9        | 14.0     | 15.7 | 17.3 | 15.7        | 14.8     | 14.7 | 15.0 | 14.8        | 13.9 | 12   |
| 16           | 13.8    | 23.0 | 18.0 | 18.3        | 14.2     | 20.1 | 19.0 | 17.8        | 15.0     | 17.3 | 18.5 | 16.9        | 15.2     | 15.1 | 15.5 | 15.3        | 13.9 | 12   |
| 17           | 15.0    | 25.5 | 21.0 | 20.5        | 15.0     | 22.0 | 20.5 | 19.2        | 16.0     | 18.5 | 20.0 | 18.2        | 15.7     | 15.6 | 15.2 | 15.5        | 13.9 | 12   |
| 18           | 15.7    | 27.0 | 20.7 | 21.1        | 15.9     | 23.3 | 21.3 | 20.2        | 15.9     | 19.6 | 20.9 | 18.8        | 16.2     | 16.2 | 16.5 | 16.3        | 14.0 | 12   |
| 19           | 16.6    | 27.7 | 21.9 | 22.1        | 17.0     | 24.0 | 22.4 | 21.1        | 17.9     | 20.4 | 21.7 | 20.0        | 17.0     | 16.9 | 17.0 | 17.0        | 14.2 | 12   |
| 20           | 18.0    | 28.7 | 21.5 | 22.7        | 18.0     | 25.2 | 22.5 | 21.9        | 19.0     | 21.6 | 22.0 | 20.9        | 17.5     | 17.6 | 17.5 | 17.5        | 14.3 | 12   |
| 2 inci onluk | 15.3    | 23.2 | 18.7 | 19.1        | 15.6     | 20.6 | 19.3 | 18.5        | 16.3     | 18.2 | 19.2 | 17.9        | 16.0     | 15.9 | 16.0 | 16.0        | 13.9 | 12   |
| 21           | 17.5    | 25.4 | 19.4 | 20.8        | 18.0     | 22.8 | 20.0 | 20.3        | 19.5     | 20.5 | 20.6 | 20.2        | 18.0     | 18.2 | 18.0 | 18.1        | 14.5 | 12   |
| 22           | 15.6    | 29.4 | 23.5 | 22.8        | 17.5     | 25.3 | 23.5 | 22.1        | 18.5     | 21.1 | 23.0 | 20.9        | 18.1     | 18.0 | 18.0 | 18.0        | 15.2 | 12   |
| 23           | 18.8    | 29.0 | 23.0 | 23.6        | 19.2     | 25.5 | 23.5 | 22.7        | 20.0     | 21.9 | 23.0 | 21.6        | 18.5     | 18.4 | 18.5 | 18.5        | 15.3 | 12   |
| 24           | 18.0    | 29.8 | 24.4 | 24.1        | 18.0     | 26.3 | 24.8 | 23.0        | 20.0     | 22.6 | 24.0 | 22.2        | 19.0     | 18.9 | 19.0 | 19.0        | 15.5 | 13   |
| 25           | 19.2    | 27.7 | 21.5 | 22.8        | 20.0     | 25.0 | 22.5 | 22.5        | 21.0     | 22.3 | 22.5 | 21.9        | 19.5     | 19.4 | 19.8 | 19.6        | 15.7 | 13   |
| 26           | 19.0    | 23.5 | 20.2 | 20.9        | 19.5     | 22.3 | 21.2 | 21.0        | 20.0     | 21.0 | 21.4 | 20.8        | 19.5     | 19.2 | 19.2 | 19.3        | 16.1 | 13   |
| 27           | 17.5    | 26.1 | 20.5 | 21.4        | 18.0     | 23.2 | 21.5 | 20.9        | 19.0     | 20.8 | 21.5 | 20.4        | 19.0     | 19.0 | 19.0 | 19.0        | 16.1 | 13   |
| 28           | 18.0    | 25.8 | 21.1 | 21.6        | 18.0     | 23.2 | 22.0 | 21.1        | 19.0     | 21.0 | 21.8 | 20.6        | 19.0     | 19.0 | 19.0 | 19.0        | 16.2 | 13   |
| 29           | 16.8    | 29.2 | 22.5 | 22.8        | 18.0     | 25.4 | 23.0 | 22.1        | 19.0     | 21.7 | 23.0 | 21.2        | 19.2     | 19.0 | 19.0 | 19.1        | 16.5 | 13   |
| 30           | 19.0    | 29.2 | 22.1 | 23.4        | 19.1     | 25.8 | 23.1 | 22.7        | 20.0     | 22.6 | 23.2 | 21.9        | 19.4     | 19.4 | 19.6 | 19.5        | 16.6 | 13   |
| 31           | 18.0    | 28.8 | 22.5 | 23.1        | 18.5     | 25.8 | 23.4 | 22.6        | 19.8     | 22.6 | 23.5 | 22.0        | 19.7     | 19.6 | 19.6 | 19.7        | 16.8 | 13   |
| 3 üncü onluk | 17.9    | 27.5 | 21.9 | 22.5        | 18.5     | 24.6 | 22.6 | 21.9        | 19.6     | 21.6 | 22.5 | 21.2        | 19.0     | 18.9 | 19.0 | 19.0        | 15.9 | 13   |
| Aylık Vasatı | 15.6    | 23.8 | 19.0 | 19.5        | 16.0     | 21.2 | 19.7 | 19.0        | 16.9     | 18.6 | 19.6 | 18.4        | 16.5     | 16.4 | 16.5 | 16.4        | 14.1 | 12   |

## Toprağın hararet derecesi

Température de la terre

Haziran 1938 — Juin 1938

## DERİNLİK — PROFONDEUR

| — 5 cm. |      |      |                | — 10 cm. |      |      |                | — 20 cm. |      |      |                | — 50 cm. |      |      |                | -1m. | -2m. |
|---------|------|------|----------------|----------|------|------|----------------|----------|------|------|----------------|----------|------|------|----------------|------|------|
| 7       | 14   | 21   | Vasatı<br>Moy. | 7        | 14   | 21   | Vasatı<br>Moy. | 7        | 14   | 21   | Vasatı<br>Moy. | 7        | 14   | 21   | Vasatı<br>Moy. | 14   | 14   |
| 18.6    | 28.2 | 21.1 | 22.6           | 19.4     | 25.4 | 22.5 | 22.4           | 20.4     | 22.6 | 23.0 | 22.0           | 20.0     | 19.8 | 19.8 | 19.9           | 16.8 | 13.9 |
| 17.4    | 28.5 | 21.5 | 22.5           | 18.0     | 25.3 | 22.6 | 22.0           | 19.4     | 22.4 | 23.0 | 21.6           | 19.8     | 19.8 | 19.6 | 19.7           | 16.9 | 13.9 |
| 18.3    | 29.4 | 22.2 | 23.3           | 18.6     | 25.8 | 23.3 | 22.6           | 19.8     | 22.7 | 23.4 | 22.0           | 20.0     | 19.8 | 19.7 | 19.8           | 17.0 | 13.9 |
| 19.1    | 29.5 | 22.1 | 23.6           | 19.4     | 25.8 | 23.1 | 22.8           | 20.4     | 22.7 | 23.1 | 22.1           | 20.1     | 20.2 | 20.0 | 20.1           | 17.0 | 14.0 |
| 20.0    | 30.6 | 23.1 | 24.6           | 20.2     | 26.7 | 24.1 | 23.7           | 21.0     | 23.3 | 24.1 | 22.8           | 20.5     | 20.3 | 20.1 | 20.3           | 17.1 | 14.1 |
| 20.3    | 30.5 | 23.0 | 24.6           | 20.5     | 27.0 | 23.5 | 23.7           | 21.4     | 24.0 | 24.5 | 23.3           | 20.5     | 20.5 | 20.5 | 20.5           | 17.1 | 14.1 |
| 21.0    | 31.7 | 23.5 | 25.4           | 20.5     | 27.4 | 24.5 | 24.1           | 21.0     | 23.9 | 24.5 | 23.1           | 21.0     | 20.7 | 20.5 | 20.7           | 17.4 | 14.4 |
| 20.0    | 32.0 | 24.9 | 25.6           | 20.5     | 27.9 | 25.0 | 24.5           | 21.5     | 24.3 | 25.0 | 23.6           | 21.0     | 20.9 | 20.8 | 20.9           | 17.5 | 14.4 |
| 21.5    | 32.0 | 24.5 | 26.0           | 21.5     | 27.8 | 25.5 | 24.9           | 22.0     | 24.5 | 25.2 | 23.9           | 21.1     | 21.2 | 21.0 | 21.1           | 17.8 | 14.7 |
| 22.0    | 30.0 | 22.5 | 24.8           | 21.5     | 26.5 | 23.8 | 23.9           | 22.5     | 23.8 | 24.1 | 23.5           | 21.5     | 21.4 | 21.3 | 21.4           | 17.8 | 14.8 |
| 19.8    | 30.2 | 22.8 | 24.3           | 20.0     | 26.6 | 23.8 | 23.5           | 20.9     | 23.4 | 24.0 | 22.8           | 20.6     | 20.5 | 20.3 | 20.4           | 17.3 | 14.3 |
| 20.0    | 30.5 | 23.0 | 24.5           | 20.3     | 26.0 | 24.1 | 23.5           | 21.4     | 23.5 | 24.1 | 23.0           | 21.3     | 21.4 | 21.5 | 21.4           | 17.8 | 14.8 |
| 20.3    | 33.2 | 24.1 | 25.9           | 20.3     | 27.1 | 25.1 | 24.2           | 21.3     | 23.5 | 24.1 | 23.0           | 21.3     | 21.2 | 21.5 | 21.3           | 17.8 | 14.9 |
| 21.1    | 35.2 | 25.5 | 27.3           | 21.1     | 29.8 | 26.7 | 25.9           | 22.0     | 25.2 | 26.3 | 24.5           | 21.5     | 21.5 | 21.4 | 21.5           | 18.0 | 15.0 |
| 21.8    | 32.4 | 27.0 | 27.1           | 21.7     | 31.0 | 28.0 | 26.9           | 22.7     | 26.1 | 27.5 | 25.4           | 21.9     | 21.8 | 21.7 | 21.8           | 18.0 | 15.0 |
| 22.5    | 38.8 | 28.5 | 29.9           | 22.4     | 31.9 | 29.4 | 27.9           | 23.5     | 26.8 | 28.4 | 26.2           | 22.4     | 22.3 | 22.4 | 22.4           | 18.1 | 15.1 |
| 24.0    | 37.0 | 21.2 | 27.4           | 24.0     | 32.0 | 22.4 | 26.1           | 24.5     | 27.5 | 23.6 | 25.2           | 23.0     | 23.0 | 22.8 | 22.9           | 18.2 | 15.1 |
| 19.6    | 25.4 | 20.6 | 21.9           | 20.4     | 23.2 | 21.9 | 21.8           | 21.5     | 22.1 | 22.5 | 22.0           | 22.5     | 22.1 | 21.8 | 22.1           | 18.3 | 15.2 |
| 18.3    | 26.8 | 21.3 | 22.1           | 18.7     | 23.8 | 22.4 | 21.6           | 20.0     | 22.0 | 22.7 | 21.6           | 21.5     | 21.4 | 21.0 | 21.3           | 18.3 | 15.3 |
| 18.2    | 27.0 | 21.3 | 22.2           | 18.7     | 23.8 | 22.3 | 21.6           | 20.0     | 21.5 | 22.5 | 21.3           | 21.2     | 20.8 | 20.5 | 20.8           | 18.3 | 15.3 |
| 18.5    | 27.0 | 20.8 | 22.1           | 18.9     | 23.7 | 21.8 | 21.5           | 20.0     | 21.5 | 22.4 | 21.3           | 20.7     | 20.5 | 20.5 | 20.6           | 18.3 | 15.3 |
| 20.4    | 31.3 | 23.3 | 25.0           | 20.7     | 27.2 | 24.4 | 24.1           | 21.7     | 24.0 | 24.4 | 23.4           | 21.7     | 21.6 | 21.5 | 21.6           | 18.1 | 15.1 |
| 18.5    | 29.4 | 22.5 | 23.5           | 18.8     | 25.5 | 23.5 | 22.6           | 19.9     | 22.5 | 23.5 | 22.0           | 20.6     | 20.5 | 20.5 | 20.5           | 18.4 | 15.5 |
| 20.0    | 31.5 | 23.5 | 25.0           | 19.8     | 27.4 | 24.4 | 23.9           | 20.8     | 23.6 | 24.5 | 23.0           | 20.9     | 20.8 | 21.0 | 20.9           | 18.4 | 15.6 |
| 21.5    | 33.3 | 24.6 | 26.5           | 21.1     | 28.8 | 25.5 | 25.1           | 22.2     | 24.8 | 25.5 | 24.2           | 21.4     | 21.4 | 21.5 | 21.4           | 18.4 | 15.7 |
| 21.5    | 34.2 | 25.7 | 27.1           | 21.5     | 29.5 | 26.6 | 25.9           | 22.4     | 25.5 | 26.5 | 24.8           | 21.9     | 21.6 | 21.9 | 21.8           | 18.5 | 15.7 |
| 22.3    | 33.8 | 25.7 | 27.3           | 22.2     | 29.5 | 26.7 | 26.1           | 23.0     | 25.8 | 26.6 | 25.1           | 22.3     | 22.3 | 22.4 | 22.3           | 18.5 | 15.7 |
| 23.0    | 35.3 | 27.3 | 28.5           | 22.8     | 30.3 | 27.8 | 27.0           | 23.6     | 26.3 | 28.0 | 26.0           | 22.6     | 22.5 | 22.5 | 22.5           | 18.6 | 15.8 |
| 23.2    | 36.0 | 26.4 | 28.5           | 23.4     | 30.8 | 27.5 | 27.2           | 24.0     | 26.7 | 27.5 | 26.1           | 23.2     | 23.0 | 23.0 | 23.1           | 18.8 | 15.9 |
| 23.0    | 37.3 | 27.4 | 29.2           | 23.0     | 31.5 | 28.5 | 27.7           | 24.0     | 27.0 | 28.0 | 26.3           | 23.2     | 23.2 | 23.2 | 23.2           | 18.8 | 16.0 |
| 24.4    | 37.0 | 28.0 | 29.8           | 24.0     | 31.7 | 29.0 | 28.2           | 24.7     | 27.6 | 28.5 | 26.9           | 23.5     | 23.5 | 23.5 | 23.5           | 19.0 | 16.0 |
| 24.7    | 39.4 | 28.6 | 30.9           | 24.7     | 33.1 | 29.7 | 29.2           | 25.4     | 28.5 | 29.4 | 27.8           | 24.0     | 24.0 | 24.0 | 24.0           | 19.4 | 16.0 |
| 22.2    | 34.7 | 26.0 | 27.6           | 22.      | 29.8 | 26.9 | 26.3           | 23.0     | 25.8 | 26.8 | 25.2           | 22.4     | 22.3 | 22.4 | 22.3           | 18.7 | 15.8 |
| 20.8    | 32.1 | 24.0 | 25.7           | 20.9     | 27.9 | 25.0 | 24.6           | 21.9     | 24.4 | 25.1 | 23.8           | 21.5     | 21.4 | 21.4 | 21.5           | 18.0 | 15.0 |

# Ay günlerinin hadiselere göre tevzii

*Distribution des jours du mois selone les phénomènes*

| Ay<br>Mois      | Açık<br>Ouvr | Bulutlu<br>Nuageux | Kapalı<br>Couvert | Yağmurlu<br>Pluvieux | Karlı<br>Neigeux | Dolulu<br>Grêloux | Tipili<br>Tempête de neige | Frtınalı<br>Tempête | Az donlu<br>Gélee | Çok donlu<br>Sous dégel | Kırağlı<br>Gélee balnche | Çiyli<br>Rosée | Şimşekli<br>Éclair | Ra'dlı<br>Tonnaire | Sisli<br>Brouillard |
|-----------------|--------------|--------------------|-------------------|----------------------|------------------|-------------------|----------------------------|---------------------|-------------------|-------------------------|--------------------------|----------------|--------------------|--------------------|---------------------|
| Nisan<br>Avril  | 9            | 5                  | 16                | 15                   | —                | —                 | —                          | 6                   | —                 | —                       | —                        | 2              | —                  | —                  | 6                   |
| Mayıs<br>Mai    | 20           | 6                  | 5                 | 8                    | —                | —                 | —                          | —                   | —                 | —                       | —                        | 9              | 1                  | 1                  | 3                   |
| Haziran<br>Juin | 28           | 2                  | —                 | 1                    | —                | —                 | —                          | 2                   | —                 | —                       | —                        | 4              | 1                  | 1                  | 2                   |

## II — Deniz rasatları (Observations de la mer)

*Kemal Erkman*

Bitişik sahifedeki cetvel Arnavutköyündeki akıntı anafor mahallindeki maroğraf ile ilen deniz seviyesine ait tahavvülâtı gösterir. Bu cetvelin başlık satırı aylar ve başlık unu da ayın günlerini gösterir.

Udul deniz seviyesinin, rıhtım üzerinde tespit edilmiş olan bir pirinç işaretin merke- den itibaren alçalmadan ibarettir. Bu alçalma miktarı santimetre ile gösterilmiştir. cetveldeki miktarlar udulların günlük vasatisidir. Son satır dahi aylık vasatidir. Maroğraf eminin irca nisbeti  $1/5$  dir. Tabiidir ki cetveldeki hakiki kıymetler bu nisbete göre in diyagram iş'arından irca edilmiştir. Seviyei vasatiyenin nâzımı miktarı henüz taay- etmemiştir. Maroğraf kâğıdının sıfırı, işaret merkezinden 168.2 santimetre yüksektir. umaralı diyagram bu seviye tahavvülâtına aittir. Seviyenin başlıca tahavvülü tazyik avvülüne tâbi olduğundan mukayese için nokta ve çizgi ile tazyik tehavvülü tersim diği gibi meddicezir tesirini de takip edebilmek için içtima, istikbal ve terbilerin za- nları da gösterilmiştir.



## Deniz seviyesi ve hararet derecesi

Niveau et température de la mer

| Aylar - Mois | (cm)<br>Udul<br>Ecart |              |                 | Hararet derecesi — Température |           |              |           |                 |           |  |  |
|--------------|-----------------------|--------------|-----------------|--------------------------------|-----------|--------------|-----------|-----------------|-----------|--|--|
|              |                       |              |                 | Nisan<br>Avril                 |           | Mayıs<br>Mai |           | Haziran<br>Juin |           |  |  |
|              | Nisan<br>Avril        | Mayıs<br>Mai | Haziran<br>Juin | m.<br>0                        | m.<br>-15 | m.<br>0      | m.<br>-15 | m.<br>0         | m.<br>-15 |  |  |
|              |                       |              |                 |                                |           |              |           |                 |           |  |  |
| 1            | 29.4                  | 19.5         | 29.6            | —                              | —         | —            | —         | —               | —         |  |  |
| 2            | 31.8                  | 15.7         | 34.6            | —                              | —         | —            | —         | —               | —         |  |  |
| 3            | 36.9                  | 15.4         | 31.8            | —                              | —         | —            | —         | —               | —         |  |  |
| 4            | 31.5                  | 18.3         | 30.5            | —                              | —         | —            | —         | —               | —         |  |  |
| 5            | 39.9                  | 23.5         | 31.2            | —                              | —         | —            | —         | —               | —         |  |  |
| 6            | 41.3                  | 27.3         | 27.2            | —                              | —         | —            | —         | —               | —         |  |  |
| 7            | 33.1                  | 25.0         | 25.7            | —                              | —         | —            | —         | —               | —         |  |  |
| 8            | 25.8                  | 19.5         | 25.4            | —                              | —         | —            | —         | —               | —         |  |  |
| 9            | 24.8                  | 25.4         | 26.1            | —                              | —         | —            | —         | —               | —         |  |  |
| 0            | 29.4                  | 30.3         | 29.3            | —                              | —         | —            | —         | —               | —         |  |  |
| 1            | 30.7                  | 17.3         | 31.4            | —                              | —         | —            | —         | —               | —         |  |  |
| 2            | 40.8                  | 12.4         | 28.7            | —                              | —         | —            | —         | —               | —         |  |  |
| 3            | 39.6                  | 23.8         | 24.3            | —                              | —         | —            | —         | —               | —         |  |  |
| 4            | 31.3                  | 25.3         | 22.7            | —                              | —         | —            | —         | —               | —         |  |  |
| 5            | 24.5                  | 27.2         | 18.5            | —                              | —         | —            | —         | —               | —         |  |  |
| 6            | 34.1                  | 27.2         | 15.3            | —                              | —         | —            | —         | —               | —         |  |  |
| 7            | 32.6                  | 25.7         | 23.9            | —                              | —         | —            | —         | —               | —         |  |  |
| 8            | 26.5                  | 25.5         | 27.7            | —                              | —         | —            | —         | —               | —         |  |  |
| 9            | 26.3                  | 28.4         | 29.9            | —                              | —         | —            | —         | —               | —         |  |  |
| 0            | 20.7                  | 30.2         | 33.8            | —                              | —         | —            | —         | —               | —         |  |  |
| 1            | 16.3                  | 26.4         | 33.4            | —                              | —         | —            | —         | —               | —         |  |  |
| 2            | 25.8                  | 23.3         | 30.8            | —                              | —         | —            | —         | —               | —         |  |  |
| 3            | 27.5                  | 22.4         | 32.0            | —                              | —         | —            | —         | —               | —         |  |  |
| 4            | 24.1                  | 17.1         | 26.7            | —                              | —         | —            | —         | —               | —         |  |  |
| 5            | 32.3                  | 15.3         | 24.8            | —                              | —         | —            | —         | —               | —         |  |  |
| 6            | 31.5                  | 14.7         | 28.1            | —                              | —         | —            | —         | —               | —         |  |  |
| 7            | 30.2                  | 22.2         | 27.5            | —                              | —         | —            | —         | —               | —         |  |  |
| 8            | 29.9                  | 24.2         | 25.9            | —                              | —         | —            | —         | —               | —         |  |  |
| 9            | 30.2                  | 20.6         | 24.9            | —                              | —         | —            | —         | —               | —         |  |  |
| 0            | 27.1                  | 21.8         | 25.6            | —                              | —         | —            | —         | —               | —         |  |  |
| 1            | —                     | 25.0         | —               | —                              | —         | —            | —         | —               | —         |  |  |
| satı         | 30.2                  | 22.4         | 27.6            | —                              | —         | —            | —         | —               | —         |  |  |

## İZAHAT — REMARQUES

Maroğrafın sistemi  
(Système du muregraphe) : Jules Richard

Redüktör  
(Reducteur) : 1 5

Mevki  
(Station) : Arnavutköy

Reper : Bulundaki piring dairinin merkezi  
(Repère) : Le centre du disque en laiton fixé au quai

Termometrenin cinsi : Negreuil zambra  
(Type du thermomètre)

Rasat mahalli  
(Lieu d'observation) : Kandilli iskelesi



### III — Sismoloji (Séismologie)

*Remal Erkman*

Bitişik sahifeler zelzeleleri ve bunların aslı ve tali safhalarının zamanlarını gösterir. Tremanti (Microséisme) ler dahil değildir. Cetvelin birinci sütunu tarih ve ikinci sütunu tayinmilel kabul edilmiş olan safha işaretleridir. Bu işaretlerden  $P_n$  veya  $\bar{P}$  ihtizazın şlangıcını,  $F$  nihayetini ve  $iM$  de en şiddetli ihtizaz safhasını iş'ar eder. Üçüncü sütun da Türkiye saatiyle safhaların zamanlarıdır. Dördüncü sütunda  $N-S$  mürekkibesinden alınan en büyük sianın devir müddeti gösterildiği gibi beşinci, altıncı ve yedinci sütunlarda en büyük sia miktarı milimetre olarak gösterilmiştir.  $A_N$  şimal-cenup mürekkibesine,  $A_E$  şark-garp mürekkibesine aittir. Tahmin edilen fevkalmerkez mesafe  $\Delta$  ile  $n$  sütunda kilometre ile gösterilmiştir. Ve mülâhazat hanesinde de hâdisenin vuku lduğu istihbar edilen mahal -icap ederse coğrafi vaziyetleriyle beraber- kaydedilmiştir. Her hâdise memleket dahilinde ise icap eden umumî karakteri de ilâve edilmiştir. Kayıtlar Galitzin sistemi sismoğrafından alınmıştır. Eğer diğer aletlerden alınmış ise ilâhazat hanesinde ayrıca gösterilmiştir.





| Tarih<br>Date             | Safhalar<br>Phases                                             | Zamanlar<br>h. m. Sec                          | N—S<br>Mürekkebe-<br>sinde<br>Period<br>Sec | A <sub>N</sub><br>mm. | A <sub>E</sub><br>mm. | A <sub>Z</sub><br>mm. | Δ<br>km. | MÜLÂHAZAT<br>Remarques                                                                                                  |
|---------------------------|----------------------------------------------------------------|------------------------------------------------|---------------------------------------------|-----------------------|-----------------------|-----------------------|----------|-------------------------------------------------------------------------------------------------------------------------|
| Nisan<br>Avril 1938<br>21 |                                                                |                                                |                                             |                       |                       |                       |          | Bugün Kırşehir zelzelelerine ait dokuz replik kaydedilmiştir.                                                           |
| 23                        | P <sub>n</sub><br>S <sub>n</sub><br>e L<br>F                   | 02.39.52<br>49.50<br>03.13.—<br>03.55.—        | 20                                          | 6                     | 5                     | 4                     | 8.700    | Hafif                                                                                                                   |
| 23                        | P <sub>n</sub><br>S <sub>n</sub><br>e L<br>M <sub>1</sub><br>F | 08.09.23<br>14.00<br>21.25<br>22.40<br>08.56.— |                                             |                       | 12                    | 17                    | 2.900    | İranda olmuştur.                                                                                                        |
| 23                        | P <sub>n</sub><br>S <sub>n</sub><br>e L<br>M <sub>1</sub><br>F | 11.31.24<br>36.04<br>43.10<br>44.46<br>12.12.— | 11                                          | 34                    | 12                    | 18                    | 2.900    | Yukardakinin repliğidir.                                                                                                |
| 27                        | P <sub>n</sub><br>R PS<br>S<br>F                               | 11.41.36<br>42.09<br>42.31<br>11.58.—          | 10                                          | 113                   | 10                    | 12                    | 380      | Bu ayın 24, 25 ve 26 günlerinde Kırşehir zelzele min-takasından gelen muhtelif şiddette hafif replikler kay-edilmiştir. |
| 29                        | P <sub>n</sub><br>R PS<br>S<br>F                               | 12.08.43<br>09.41<br>09.58<br>12.21.—          |                                             |                       |                       |                       | 4.200    |                                                                                                                         |
| 30                        | e P <sub>n</sub><br>S <sub>n</sub><br>F                        | 14.33.32<br>33.59<br>14.38.—                   | 10                                          | 21                    | 4                     | 6                     | 200      |                                                                                                                         |
| Mayıs<br>Mai 1938<br>3    | e P <sub>n</sub>                                               | 21.27.49                                       |                                             |                       |                       |                       |          | Çok hafif                                                                                                               |
| 4                         | e S<br>F                                                       | 22.04.58<br>10.—                               |                                             |                       |                       |                       |          | Yakın ve çok hafif                                                                                                      |
| 4                         | e S<br>F                                                       | 23.02.10<br>08.—                               |                                             |                       |                       |                       |          |                                                                                                                         |

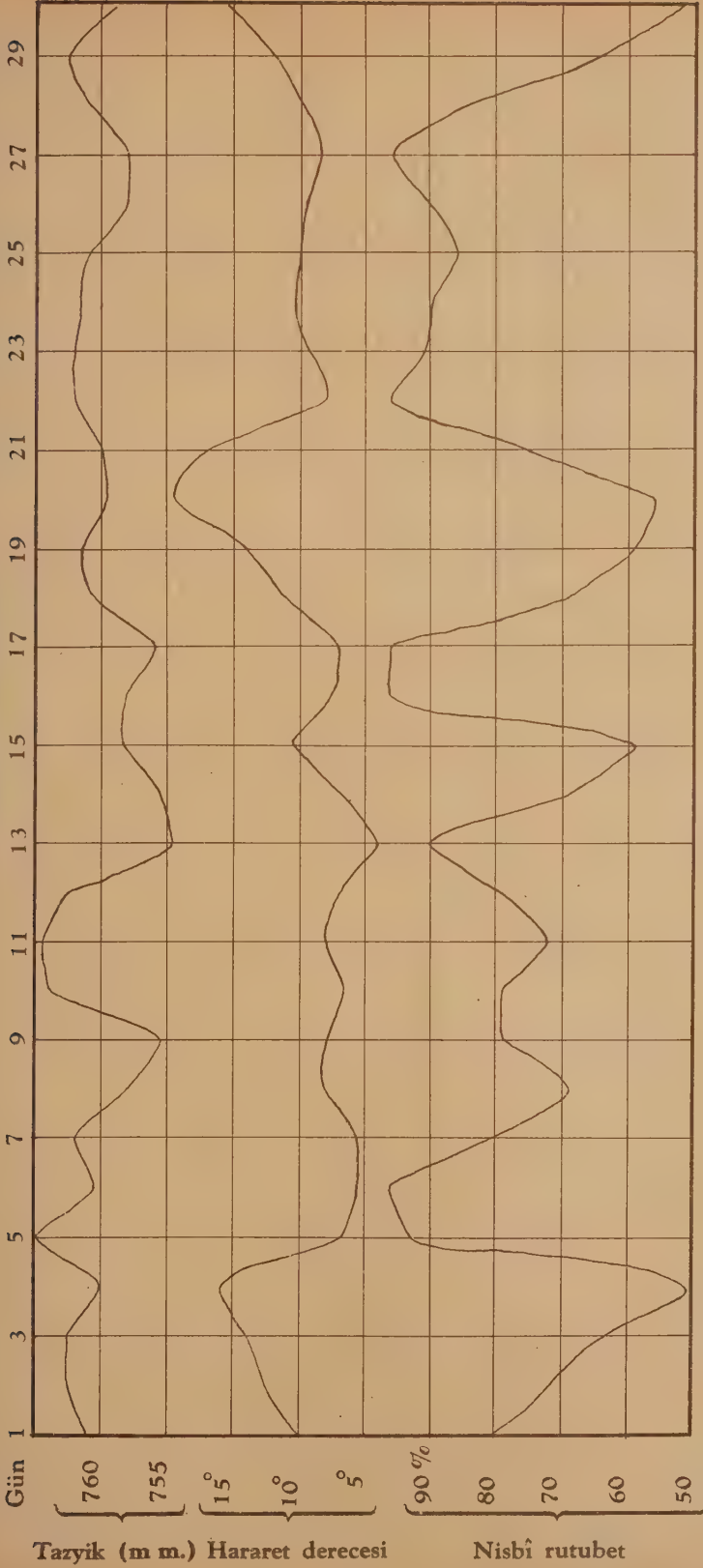
| Tarih<br>Date     | Safhalar<br>Phases                                                                        | Zamanlar<br>h. m. Sec                                               | N—S<br>Mürekkebe-<br>sinde<br>Period<br>Sec | A <sub>N</sub><br>mm. | A <sub>E</sub><br>mm. | A <sub>Z</sub><br>mm. | Δ<br>km. | MÜLÂHAZAT<br>Remarques              |
|-------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------|-----------------------|-----------------------|-----------------------|----------|-------------------------------------|
| Mayıs<br>Mai 1938 |                                                                                           |                                                                     |                                             |                       |                       |                       |          |                                     |
| 6                 | e P <sub>n</sub><br>F                                                                     | 20.41.45                                                            |                                             |                       |                       |                       |          |                                     |
| 6                 | e P <sub>n</sub><br>S <sub>n</sub><br>F                                                   | 04.03.32<br>04.29<br>04.21.—                                        | 10                                          | 94                    | 15                    | 18                    | 380      |                                     |
| 6                 | e P <sub>n</sub><br>e S<br>F                                                              | 04.41.11<br>41.55<br>04.51.00                                       |                                             |                       |                       |                       |          | Çok hafif yukardakinin rep.<br>liği |
| 8                 | e P <sub>n</sub><br>S <sub>n</sub><br>P S<br>e L<br>M <sub>1</sub><br>F                   | 16.02.48<br>14.45<br>16.15<br>40.48<br>16.47.58<br>18.31.—          | 17,5                                        | 24                    | 24                    | 18                    | 11.300   |                                     |
| 8                 | e P <sub>n</sub><br>P<br>S <sub>c</sub> P <sub>c</sub> S<br>S <sub>n</sub><br>PPS<br>F    | 16.59.09<br>17.03.39<br>17.07.48<br>17.09.48<br>17.12.48<br>18.31.— | 14                                          | 7                     | 4                     | 9                     | 12.000   |                                     |
| 12                | P <sub>n</sub><br>P R <sub>1</sub><br>S <sub>n</sub><br>P S<br>S R <sub>1</sub><br>L<br>F | 17.53.51<br>58.39<br>18.07.08<br>08.14<br>14.26<br>38.26<br>19.36.— | 22                                          | 54                    | 27                    | 46                    | 11.800   | Yeni Ginede                         |
| 12                | P <sub>n</sub><br>S <sub>n</sub><br>S R <sub>1</sub><br>e L<br>M <sub>1</sub><br>F        | 23.36.51<br>41.11<br>42.30<br>47.19<br>49.38                        | —                                           | —                     | 53                    | 23                    | 2.100    |                                     |
| 13                | P <sub>n</sub><br>P<br>S<br>F                                                             | 00.11.14<br>11.33<br>12.40<br>00.53.—                               | 8                                           | 190                   | 152                   | 197                   | 540      | Anadoluda                           |

| Tarih<br>Date     | Safhalar<br>Phases                                           | Zamanlar<br>h. m. Sec                          | N—S<br>Mürekkebe-<br>sinde<br>Period<br>Sec | A <sub>N</sub><br>mm. | A <sub>E</sub><br>mm. | A <sub>Z</sub><br>mm. | Δ<br>km. | MÜLÂHAZAT<br>Remarques                                                    |
|-------------------|--------------------------------------------------------------|------------------------------------------------|---------------------------------------------|-----------------------|-----------------------|-----------------------|----------|---------------------------------------------------------------------------|
| May s<br>Mai 1938 |                                                              |                                                |                                             |                       |                       |                       |          |                                                                           |
| 14                | P <sub>n</sub><br>R PS<br>S<br>F                             | 06.47.02<br>47.55<br>48.23<br>07.13.—          | 6                                           | 144                   | —                     | 26                    | 510      |                                                                           |
| 14                | P <sub>n</sub>                                               | 06.56.04                                       | 6,5                                         | 88                    | —                     | 23                    |          | Yukardakinin bir repliği.<br>İkisiniu safhaları birbirine<br>karışmıştır. |
| 14                | P <sub>n</sub><br>S<br>F                                     | 08.56.36<br>58.04<br>09.16.—                   | 6                                           | 124                   | —                     | 20                    |          | Bu da repliktir.                                                          |
| 19                | P <sub>n</sub><br>P R <sub>1</sub><br>S <sub>n</sub>         | 19.21.33<br>25.05<br>32.20                     |                                             |                       |                       |                       | 9.840    | Reefeler kuvvetli geldiğinden<br>karışmıştır.                             |
| 22                | e P <sub>n</sub>                                             | 10.04.18                                       |                                             |                       |                       |                       |          | Çok hafif                                                                 |
| 23                | P <sub>n</sub><br>S <sub>n</sub><br>e L<br>F                 | 09.30.46<br>40.40<br>10.02.10<br>41.—          | 22                                          | 168                   | 140                   | 124                   | 8.700    | Şimali Japonya'da                                                         |
| 24                | e<br>S <sub>n</sub><br>F                                     | 17.12.—<br>13.41<br>19.—                       |                                             |                       |                       |                       |          |                                                                           |
| 25                | e L<br>S <sub>n</sub><br>F                                   | 02.09.53<br>11.02<br>02.19.—                   | 7,5                                         | 14                    | 8                     | 12                    | 460      |                                                                           |
| 26                | e<br>S<br>F                                                  | 06.28.—<br>06.28.37<br>34.—                    |                                             |                       |                       |                       |          |                                                                           |
| 27                | P <sub>n</sub><br>R <sub>s</sub> PS<br>R <sub>s</sub> S<br>F | 23.26.07<br>28.15<br>29.17<br>23.51.—          | 9                                           | 37                    | 46                    | 75                    | 10.80    | Arnavutluk                                                                |
| 28                | P <sub>n</sub><br>P<br>PS<br>S<br>F                          | 02.06.01<br>06.21<br>07.09<br>07.44<br>02.33.— | 10                                          | 79                    | 21                    | 37                    | 570      |                                                                           |

| Tarih<br>Date    | Safhalar<br>Phases                                                                 | Zamanlar<br>h. m. Sec                                      | N — S<br>Mürekkebe-<br>sinde<br>Period<br>Sec | A <sub>N</sub><br>mm. | A <sub>E</sub><br>mm. | A <sub>Z</sub><br>mm. | Δ<br>km. | MÜLÂHAZAT<br>Remarques                                               |
|------------------|------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------|-----------------------|-----------------------|-----------------------|----------|----------------------------------------------------------------------|
| Mayıs<br>ai 1938 |                                                                                    |                                                            |                                               |                       |                       |                       |          | Çok hafif Belçikaya göre<br>Sanfransisko civarında                   |
| 28               | P <sub>n</sub><br>P R <sub>1</sub>                                                 | 12.31.03<br>38.58                                          |                                               |                       |                       |                       | 12.000   |                                                                      |
| 28               | P <sub>n</sub><br>S<br>L<br>F                                                      | 18.54.00<br>19.03.55<br>24.18<br>20.30.—                   | 12                                            | 36                    | 64                    | 33                    | 8.650    | Japonya'ya                                                           |
| 31               | P <sub>n</sub><br>P<br>R <sub>2</sub> PS<br>S                                      | 19.56.02<br>56.23<br>56.53<br>57.08                        | —                                             | 155                   | 89                    | 71                    | 390      | İstanbul'da şarkında                                                 |
| 31               | P <sup>a</sup>                                                                     | 20.04.18                                                   |                                               |                       |                       |                       |          | Yukardakînin repliği olup<br>şiddet itibariyle de aynı gi-<br>bidir. |
| 31               | P <sub>n</sub>                                                                     | 21.35.50                                                   |                                               |                       |                       |                       |          | Bu da öyledir.                                                       |
| Eylül<br>in 1938 |                                                                                    |                                                            |                                               |                       |                       |                       |          |                                                                      |
| 1                | P <sub>n</sub><br>S<br>F                                                           | 22.55.30<br>56.21<br>23.01.—                               | 9                                             | 12                    | 3                     | 2                     | 360      |                                                                      |
| 3                | P <sub>n</sub><br>S<br>F                                                           | 18.39.34<br>41.00<br>19.03.—                               | 12,5                                          | 12                    | 5                     | 6                     | 580      | Zürich rasathanesine göre<br>merkez üstü { 36N.<br>29E.              |
| 9                | P <sub>n</sub><br>P R <sub>1</sub><br>S <sub>n</sub><br>S R <sub>1</sub><br>L<br>F | 21.28.39<br>32.20<br>41.38<br>48.55<br>22.08.35<br>24.36.— | 10                                            | 46                    | 62                    | 33                    | 10.050   | Banda denizi                                                         |
| 10               | P <sub>n</sub><br>P R <sub>1</sub><br>P R <sub>2</sub><br>S <sub>n</sub><br>L<br>F | 12.05.39<br>08.15<br>10.10<br>15.39<br>12.40.36<br>15.21.— | 20                                            | 114                   | 111                   | 111                   | 8.700    |                                                                      |
| 14               | P <sub>n</sub><br>S <sub>n</sub><br>F                                              | 10.53.41<br>54.54<br>11.02.—                               | 10                                            | 4                     | 3                     | 4                     | 470      |                                                                      |

| Tarih<br>Date        | Safhalar<br>Phases                                                                                   | Zamanlar<br>h. m. Sec                                                                | N—S<br>Mürekkebe-<br>sinde<br>Period<br>Sec | A <sub>N</sub><br>mm. | A <sub>E</sub><br>mm. | A <sub>Z</sub><br>mm. | Δ<br>m | MÜLÂHAZAT<br>Remarques |
|----------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------|-----------------------|-----------------------|-----------------------|--------|------------------------|
| Haziran<br>Juin 1938 |                                                                                                      |                                                                                      |                                             |                       |                       |                       |        |                        |
| 16                   | P <sub>n</sub><br>S <sub>n</sub>                                                                     | 04.25.42 ?<br>35.19                                                                  | 12                                          | 126                   | 88                    | 62                    | 8.200  |                        |
| 21                   | P <sub>n</sub><br>P R <sub>1</sub><br>S <sub>n</sub><br>S R <sub>1</sub><br>F                        | 01.57.20<br>58.30<br>02.02.53<br>05.01<br>02.46.—                                    | 18                                          | 180                   | 67                    | 109                   | 3.780  |                        |
| 23                   | P <sub>n</sub><br>P'<br>S <sub>n</sub><br>P S<br>PPS<br>S R <sub>1</sub><br>L<br>M <sub>1</sub><br>F | 15.14.48<br>17.52<br>27.05<br>29.56<br>31.17<br>36.52<br>16.09.—<br>24.52<br>17.31.— |                                             |                       |                       |                       |        |                        |
| 24                   | e<br>S <sub>n</sub> ?<br>F                                                                           | 14.59.—<br>60.24<br>15.09.—                                                          |                                             |                       |                       |                       |        | Çok hafif              |
| 24                   | P <sub>n</sub><br>P<br>P S<br>S<br>F                                                                 | 21.51.02<br>21.51.11<br>51.51<br>51.20<br>22.11.—                                    | 12                                          | 18                    | 14                    | 10                    | 520    |                        |
| 26                   | P <sub>n</sub><br>S<br>F                                                                             | 00.05.11<br>05.55<br>00.08.—                                                         | 7,5                                         | 3                     | 3                     | 3                     | 300    |                        |
| 26                   | P <sub>n</sub><br>S<br>S R <sub>1</sub><br>F                                                         | 01.52.27<br>01.58.17<br>02.00.59<br>02.26.—                                          | 15                                          | 11                    | 7                     | 5                     | 4.100  |                        |
| 28                   | e P <sub>n</sub><br>S<br>F                                                                           | 00.57.52<br>00.58.43<br>01.08.—                                                      | 9                                           | 4                     | 4                     | 3                     | 340    | Hafif                  |
| 29                   | e P <sub>n</sub><br>F                                                                                | 21.04.00<br>23.21.—                                                                  |                                             |                       |                       |                       |        | Eser (çok hafif)       |
| 30                   | e P <sub>n</sub><br>e<br>F                                                                           | 19.04.04<br>07.13<br>20.30.—                                                         |                                             |                       |                       |                       |        | Çok hafif              |

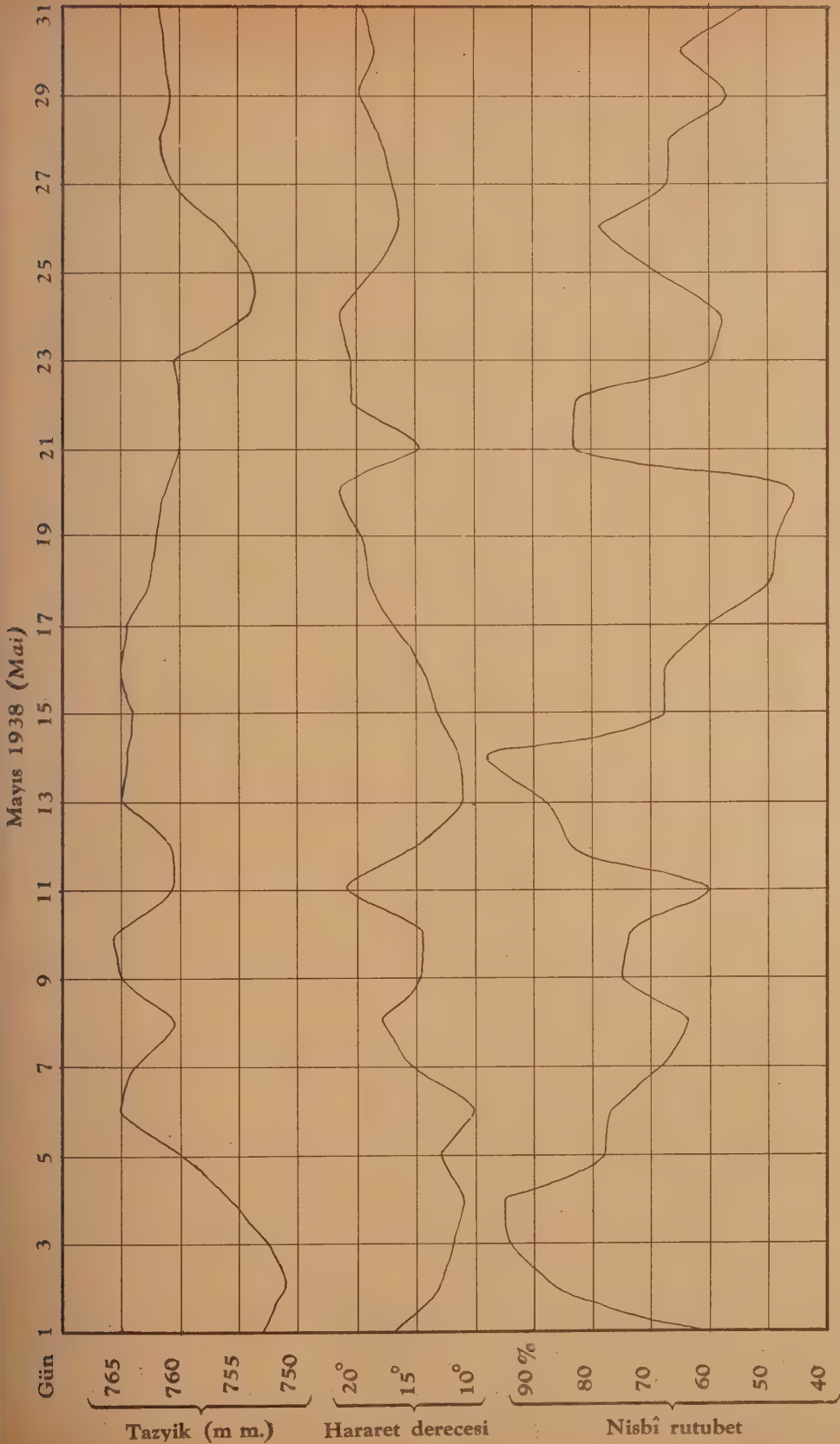
Nisan 1938 (Aoril)



Tazyik, hararet derecesi ve nisbi rutubetin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne

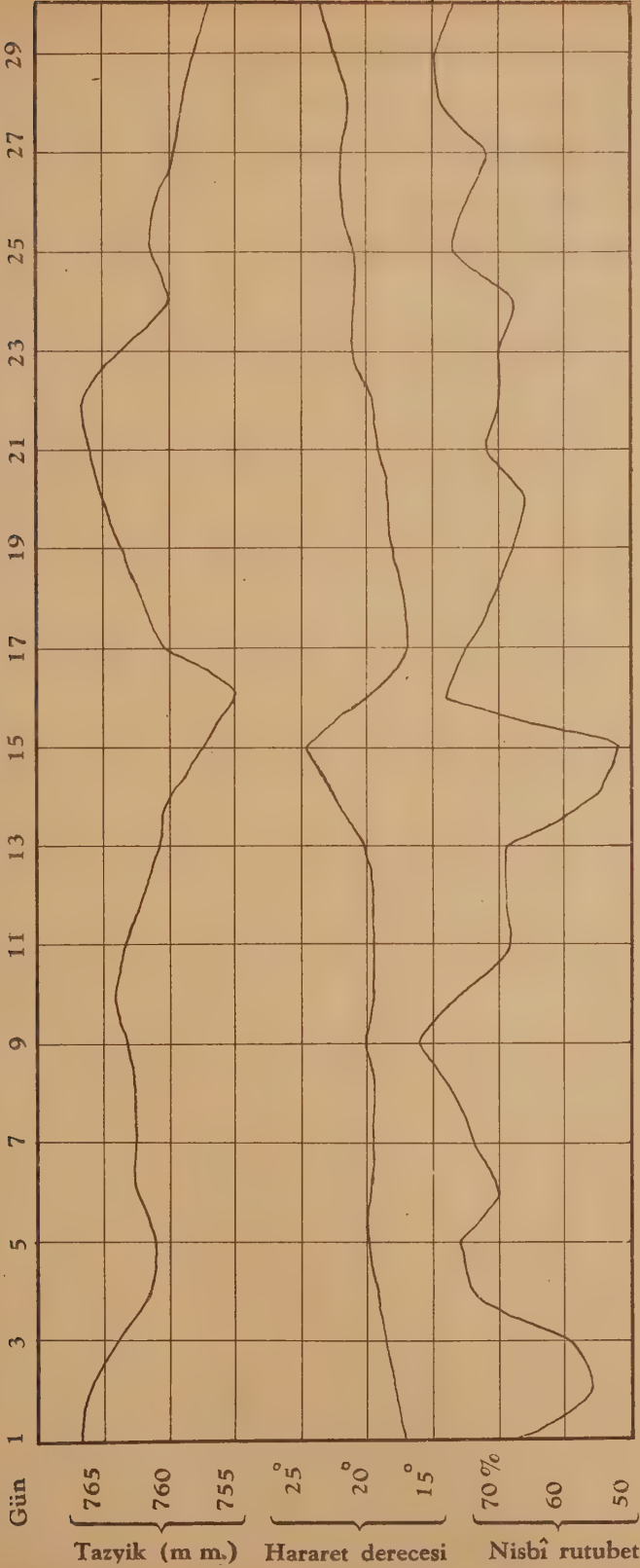




Tazyik, hararet derecesi ve nisbî rutubetin günlük grafikleri.  
Graphiques de la pression, température et humidité relative diurne.



Haziran 1938 (Juin)

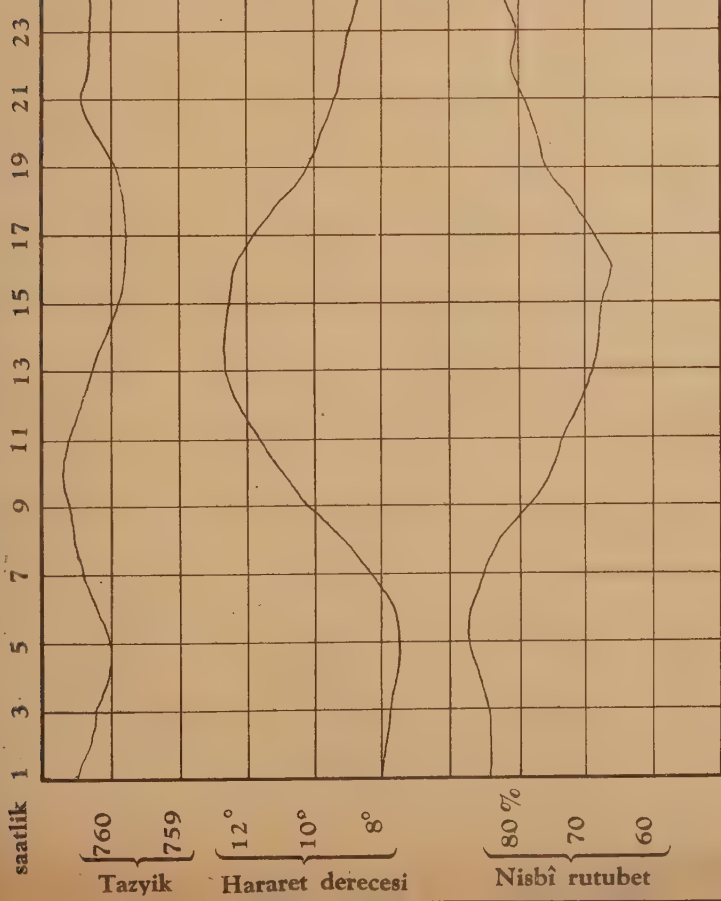


Tazyik, hararet derecesi ve nisbi rutubetin günlük grafikleri.

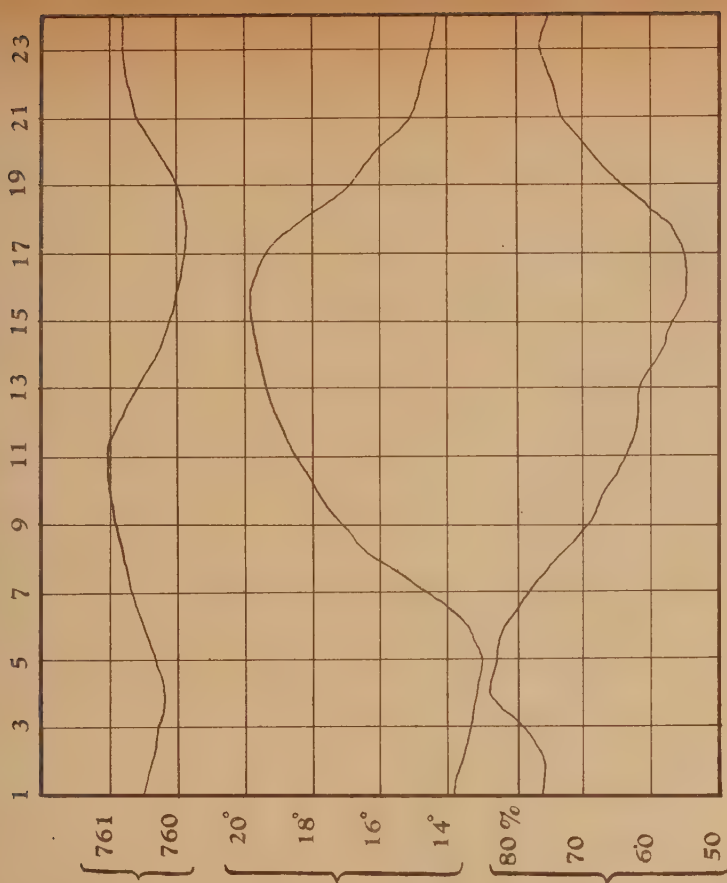
Graphiques de la pression, température et humidité relative diurne.



Nisan 1938 (Aeril)



Mayis 1938 (Mai)

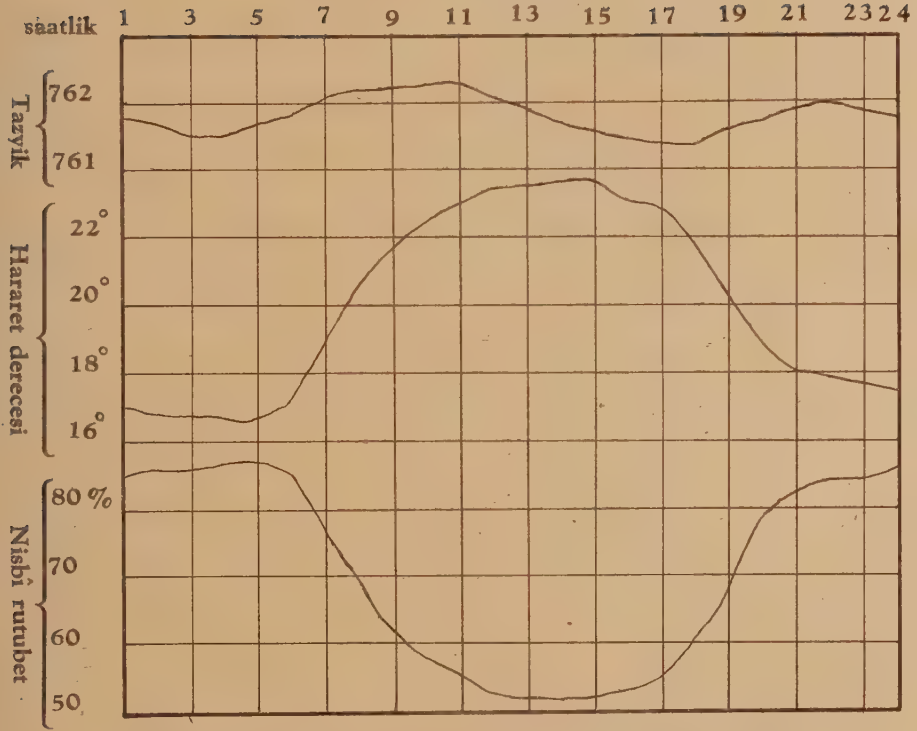


Tazyik, hararet derecesi ve nisbi rutubetin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaire



Haziran 1938 (Juin)



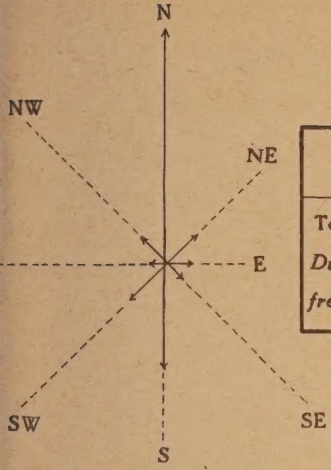
Tazyik, hararet derecesi ve nisbî rutubetin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaire

No. 5



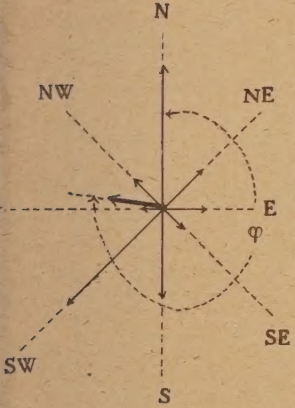
Rüzgâr grafikleri  
Graphiques du vent  
Nisan 1938 (Avril)



| İstikamet<br>Direction | N   | NE | E  | SE | S   | SW | W  | NW | Sakin<br>Calme | Yekûn<br>Total |
|------------------------|-----|----|----|----|-----|----|----|----|----------------|----------------|
| Tekessür<br>Durée de   | 256 | 46 | 27 | 27 | 109 | 55 | 15 | 35 | 150            | 720            |
| fréquence              | 35  | 6  | 4  | 4  | 15  | 8  | 2  | 5  | 21             | 100            |

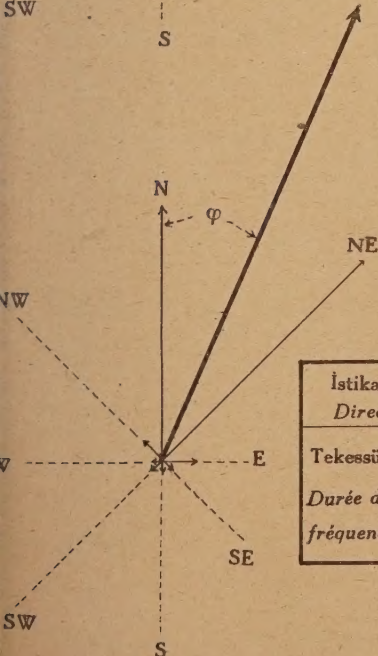
Galip istikamet  $\varphi = 0^\circ$

Mayıs 1938 (Mai)



| İstikamet<br>Direction | N   | NE | E  | SE | S  | SW  | W  | NW | Sakin<br>Calme | Yekûn<br>Total |
|------------------------|-----|----|----|----|----|-----|----|----|----------------|----------------|
| Tekessür<br>Durée de   | 171 | 57 | 53 | 27 | 98 | 147 | 23 | 30 | 138            | 744            |
| fréquence              | 23  | 8  | 7  | 4  | 13 | 20  | 3  | 4  | 18             | 100            |

Galip istikamet  $\varphi = 277^\circ$



Haziran 1938 (Juin)

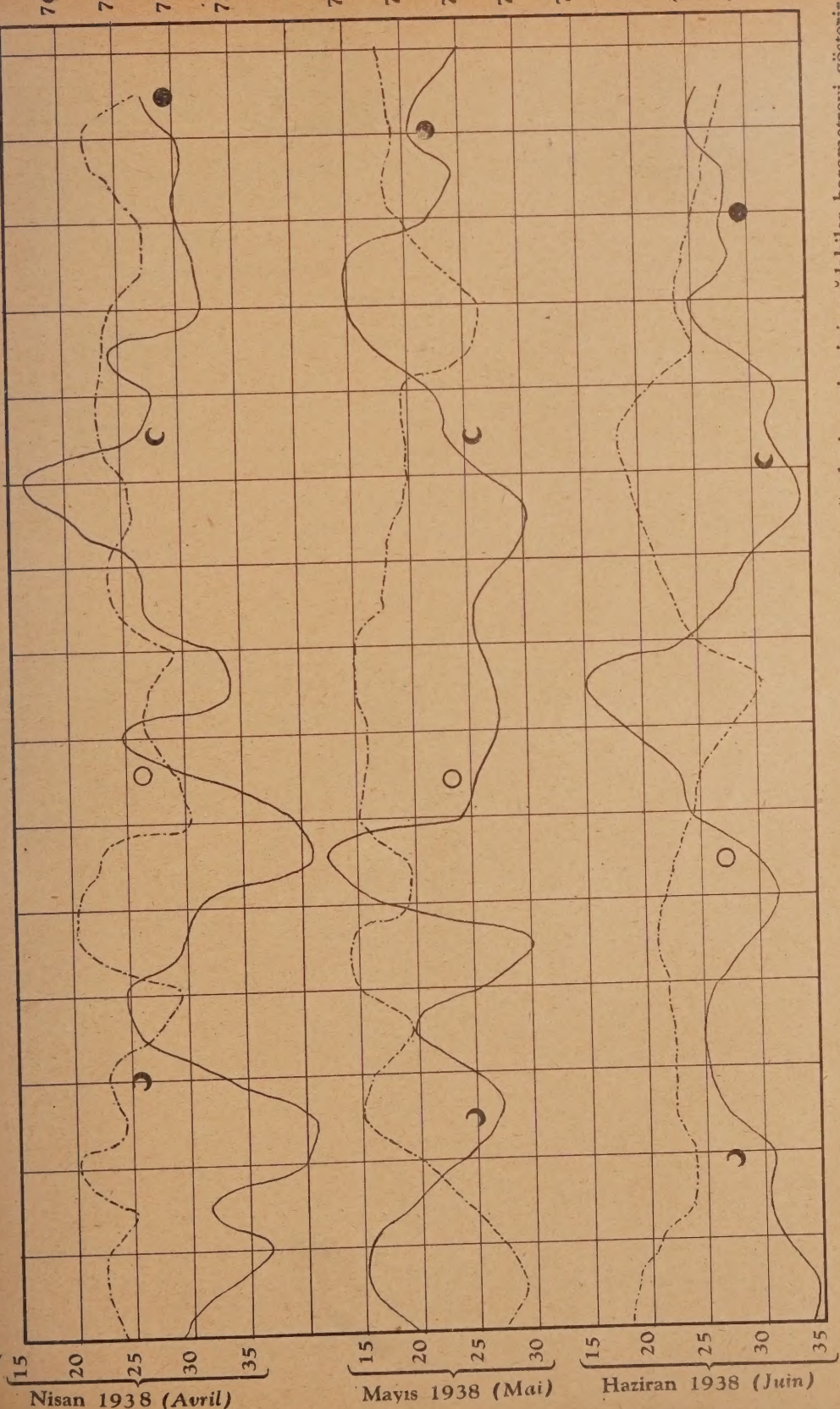
| İstikamet<br>Direction | N   | NE  | E  | SE | S | SW | W | NW | Sakin<br>Calme | Yekûn<br>Total |
|------------------------|-----|-----|----|----|---|----|---|----|----------------|----------------|
| Tekessür<br>Durée de   | 276 | 301 | 32 | 9  | 8 | 15 | 7 | 31 | 41             | 720            |
| fréquence              | 38  | 42  | 5  | 1  | 1 | 2  | 1 | 4  | 6              | 100            |

Galip istikamet  $\varphi = 23^\circ$



c/m

m/m



Not: — Deniz seviyesini ..... barometre irtifamı, soldaki adetler röperden aşağı deniz seviyesini, sağdakiler barometreyi gösterir.  
 — Indique le N. de M. .... La hauteur du baromètre, les chiffres à gauche indiquent le N. de M. audessous du repère, les chiffres à droit la hauteur du baromètre.

